

Automatic Street Light System Project Report

Project Title:

Automatic Street Light System (Without Arduino)

Objective:

To design and construct an automatic street light system that activates in low light conditions without using a microcontroller. This project utilizes semiconductor components to detect ambient light levels and automatically switch on/off street lights.

Introduction

Automatic street lights are energy-efficient lighting systems designed to reduce manual control. These systems use sensors to automatically control the street lights based on ambient light conditions. By turning lights on at dusk and off at dawn, they save energy and reduce costs. This project explores a simple, reliable method using semiconductor physics to automate street lighting without a microcontroller, focusing on the behavior of a Light Dependent Resistor (LDR) and a transistor circuit.

Principle of Operation

The circuit utilizes an LDR and a transistor-based switching circuit. The resistance of the LDR decreases with an increase in light intensity, allowing it to act as a light sensor. In the circuit, when it gets dark, the LDR resistance increases, and a transistor is triggered, turning on the light. As dawn approaches and ambient light increases, the LDR's resistance decreases, turning off the transistor and thereby turning off the light.

Components Used

Light Dependent Resistor (LDR)

Senses ambient light. Resistance increases in darkness and decreases in light, which helps control the flow of current in the circuit. The photoconductive effect of semiconductors is utilized in LDR, where light energy causes changes in electrical resistance.

Transistor (NPN, e.g., BC547 or BC548)

Acts as an electronic switch. The transistor is in an 'off' state when light is detected by the LDR and in an 'on' state in the dark, allowing current to pass to the light source. The transistor's properties enable it to act as a switch, amplifying current from the base to the collector-emitter pathway when triggered by LDR resistance changes.

Relay (5V or 12V, depending on the circuit)

Switches the main power to the street light. The relay is driven by the small current in the transistor circuit, which switches the larger current required by the light source.

Mini Project Automatic Street Light Report

Jessica J Manson



Mini Project Automatic Street Light Report:

Ignite the flame of optimism with is motivational masterpiece, Fuel Your Spirit with **Mini Project Automatic Street Light Report** . In a downloadable PDF format (PDF Size: *), this ebook is a beacon of encouragement. Download now and let the words propel you towards a brighter, more motivated tomorrow.

https://blog.gospelcrusade.org/book/publication/default.aspx/grade_10_tourism_paper_2014.pdf

Table of Contents Mini Project Automatic Street Light Report

1. Understanding the eBook Mini Project Automatic Street Light Report
 - The Rise of Digital Reading Mini Project Automatic Street Light Report
 - Advantages of eBooks Over Traditional Books
2. Identifying Mini Project Automatic Street Light Report
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Mini Project Automatic Street Light Report
 - User-Friendly Interface
4. Exploring eBook Recommendations from Mini Project Automatic Street Light Report
 - Personalized Recommendations
 - Mini Project Automatic Street Light Report User Reviews and Ratings
 - Mini Project Automatic Street Light Report and Bestseller Lists
5. Accessing Mini Project Automatic Street Light Report Free and Paid eBooks
 - Mini Project Automatic Street Light Report Public Domain eBooks
 - Mini Project Automatic Street Light Report eBook Subscription Services
 - Mini Project Automatic Street Light Report Budget-Friendly Options
6. Navigating Mini Project Automatic Street Light Report eBook Formats

- ePub, PDF, MOBI, and More
 - Mini Project Automatic Street Light Report Compatibility with Devices
 - Mini Project Automatic Street Light Report Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Mini Project Automatic Street Light Report
 - Highlighting and Note-Taking Mini Project Automatic Street Light Report
 - Interactive Elements Mini Project Automatic Street Light Report
 8. Staying Engaged with Mini Project Automatic Street Light Report
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Mini Project Automatic Street Light Report
 9. Balancing eBooks and Physical Books Mini Project Automatic Street Light Report
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Mini Project Automatic Street Light Report
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Mini Project Automatic Street Light Report
 - Setting Reading Goals Mini Project Automatic Street Light Report
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Mini Project Automatic Street Light Report
 - Fact-Checking eBook Content of Mini Project Automatic Street Light Report
 - Distinguishing Credible Sources
 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Mini Project Automatic Street Light Report Introduction

In today's digital age, the availability of Mini Project Automatic Street Light Report books and manuals for download has revolutionized the way we access information. Gone are the days of physically flipping through pages and carrying heavy textbooks or manuals. With just a few clicks, we can now access a wealth of knowledge from the comfort of our own homes or on the go. This article will explore the advantages of Mini Project Automatic Street Light Report books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of Mini Project Automatic Street Light Report books and manuals for download is the cost-saving aspect. Traditional books and manuals can be costly, especially if you need to purchase several of them for educational or professional purposes. By accessing Mini Project Automatic Street Light Report versions, you eliminate the need to spend money on physical copies. This not only saves you money but also reduces the environmental impact associated with book production and transportation.

Furthermore, Mini Project Automatic Street Light Report books and manuals for download are incredibly convenient. With just a computer or smartphone and an internet connection, you can access a vast library of resources on any subject imaginable. Whether you're a student looking for textbooks, a professional seeking industry-specific manuals, or someone interested in self-improvement, these digital resources provide an efficient and accessible means of acquiring knowledge. Moreover, PDF books and manuals offer a range of benefits compared to other digital formats. PDF files are designed to retain their formatting regardless of the device used to open them. This ensures that the content appears exactly as intended by the author, with no loss of formatting or missing graphics. Additionally, PDF files can be easily annotated, bookmarked, and searched for specific terms, making them highly practical for studying or referencing. When it comes to accessing Mini Project Automatic Street Light Report books and manuals, several platforms offer an extensive collection of resources. One such platform is Project Gutenberg, a nonprofit organization that provides over 60,000 free eBooks. These books are primarily in the public domain, meaning they can be freely distributed and downloaded. Project Gutenberg offers a wide range of classic literature, making it an excellent resource for literature enthusiasts. Another popular platform for Mini Project Automatic Street Light Report books and manuals is Open Library. Open Library is an initiative of the Internet Archive, a non-profit organization dedicated to digitizing cultural artifacts and making them accessible to the public. Open Library hosts millions of books, including both public domain works and contemporary titles. It also allows users to borrow digital copies of certain books for a limited period, similar to a library lending system. Additionally, many universities and educational institutions have their own digital libraries that provide free access to PDF books and manuals. These libraries often offer academic texts, research papers, and technical manuals, making them invaluable resources for students and researchers. Some notable examples include MIT OpenCourseWare, which offers free access to course materials from the Massachusetts Institute of Technology, and the Digital Public Library of America, which provides a vast collection of digitized

books and historical documents. In conclusion, Mini Project Automatic Street Light Report books and manuals for download have transformed the way we access information. They provide a cost-effective and convenient means of acquiring knowledge, offering the ability to access a vast library of resources at our fingertips. With platforms like Project Gutenberg, Open Library, and various digital libraries offered by educational institutions, we have access to an ever-expanding collection of books and manuals. Whether for educational, professional, or personal purposes, these digital resources serve as valuable tools for continuous learning and self-improvement. So why not take advantage of the vast world of Mini Project Automatic Street Light Report books and manuals for download and embark on your journey of knowledge?

FAQs About Mini Project Automatic Street Light Report Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer webbased readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Mini Project Automatic Street Light Report is one of the best book in our library for free trial. We provide copy of Mini Project Automatic Street Light Report in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Mini Project Automatic Street Light Report. Where to download Mini Project Automatic Street Light Report online for free? Are you looking for Mini Project Automatic Street Light Report PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Mini Project Automatic Street Light Report. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Mini Project Automatic Street Light Report are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access

online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Mini Project Automatic Street Light Report. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Mini Project Automatic Street Light Report To get started finding Mini Project Automatic Street Light Report, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Mini Project Automatic Street Light Report So depending on what exactly you are searching, you will be able to choose ebook to suit your own need. Thank you for reading Mini Project Automatic Street Light Report. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Mini Project Automatic Street Light Report, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Mini Project Automatic Street Light Report is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Mini Project Automatic Street Light Report is universally compatible with any devices to read.

Find Mini Project Automatic Street Light Report :

grade 10 tourism paper 2014

grade 11 mathematics exemplar 2014 september

grade 10 physical science paper1 exemplar for 2014

grade 11 economics paper 1 question paper november 2014

grade 11 physical science exam papers november 2011

grade 11 life science march 2014 question paper

grade 11 advanced functions solutions manual

grade 11 nsc scope for chemistry 2014

grade 10 timetable 2014 final exams in eastern cape

grade 11 business studies final paper 2014 provincial scope

grade 11 life science paper1 final topics

grade 11 physical science paper 1 memoandum

grade 11 economics paper 1 november 2014

grade 11 p s memorandum paper 1 november 2014

grade 11 economics question paper

Mini Project Automatic Street Light Report :

can science cure religious fundamentalism cnet - Jun 01 2022

web can science cure religious fundamentalism an oxford university researcher claims that in time deep seated extreme beliefs may be treated as a mental illness rather than a product of free will

can you cure cancer by means of religion quora - Mar 30 2022

web answer 1 of 6 yes and no religion like all placebo medications can have lasting and real effects so long as the user believes those effects exist people who believe a sugar pill will cure their flu will start to feel better for example in some cases this can cause the immune system to fight

certain cure where science meets religion kindle edition - May 12 2023

web certain cure where science meets religion chronicles the life of 3 generations of the cummings family claire a woman in her 70s who has been diagnosed with terminal cancer helene her television journalist daughter and justin the teenage grandson whose adoration of his grams leads him to discover the dark secret behind the miracle

precision medicine curescience san diego - Feb 26 2022

web lab address 5820 oberlin dr a202 san diego ca 92121 858 800 cure 2873

certain cure where science meets religion amazon com - Dec 07 2022

web certain cure where science meets religion chronicles the life of 3 generations of the cummings family claire a woman in her 70s who has been diagnosed with terminal cancer helene her television journalist daughter and justin the teenage grandson whose adoration of his grams leads him to discover the dark secret behind the miracle

quora - Jan 28 2022

web we would like to show you a description here but the site won't allow us

certain cure where science meets religion paperback - Apr 11 2023

web buy certain cure where science meets religion 1 by valoppi jennifer isbn 9780980168204 from amazon s book store everyday low prices and free delivery on eligible orders

certain cure where science meets religion by jennifer valoppi - Sep 04 2022

web jul 27 2023 because certain cure was book of the day some of our most trusted reviewers have carefully looked over

the cover the description and other aspects of this book the reviewers even read at least the first 10 pages of the book
[certain cure where science meets religion amazon com](#) - Aug 15 2023

web jan 1 2007 certain cure where science meets religion brings nanotechnology to ancient judeo christian prophecies in a story of hope and deception as the characters move through manhattan a world filled with signs and symbols all warnings hidden in plain sight that must be deciphered and interpreted

[review of certain cure reviewer grace lee rose](#) - Jul 02 2022

web jul 27 2023 certain cure where science meets religion by jennifer valoppi is a riveting exploration of immortality a murder mystery and a tender romance with deep meanings unpredictable turns and educational insights it s a must read for science fiction and religious theme enthusiasts

chapter 203 certain cure where science meets religion - Oct 05 2022

web provided to youtube by zebralution gmbhchapter 203 certain cure where science meets religion jennifer valoppicertain cure where science meets religio

[certain cure where science meets religion audiobook on spotify](#) - Jan 08 2023

web listen to certain cure where science meets religion on spotify

[certain cure where science meets religion audible fr](#) - Nov 06 2022

web certain cure where science meets religion le livre audio de jennifer valoppi à télécharger Écoutez gratuitement l audiobook certain cure where science meets religion en anglais avec l offre d essai audible

certain cure where science meets religion kindle edition - Jul 14 2023

web mar 31 2020 certain cure where science meets religion kindle edition by valoppi jennifer download it once and read it on your kindle device pc phones or tablets use features like bookmarks note taking and highlighting while reading certain cure where science meets religion

[certain cure where science meets religion](#) - Apr 30 2022

web certain cure where science meets religion 16 likes a provocative thriller certain cure it may be closer than you think do you know the signs

certain cure where science meets religion amazon com - Jun 13 2023

web aug 29 2020 certain cure where science meets religion chronicles the life of 3 generations of the cummings family claire a woman in her 70s who has been diagnosed with terminal cancer helene her television journalist daughter and justin the teenage grandson whose adoration of his grams leads him to discover the dark secret behind

certain cure where science meets religion kindle edition - Dec 27 2021

web dec 19 2007 certain cure where science meets religion kindle edition by jennifer valoppi download it once and read it

on your kindle device pc phones or tablets use features like bookmarks note taking and highlighting while reading certain cure where science meets religion

[certain cure where science meets religion](#) - Aug 03 2022

web apr 28 2008 certain cure where science meets religion monday april 28 2008 going from television to print with my first novel certain cure where science meets religion is has been interesting and eye opening to say the least television news my forte is all about speed and accuracy

[certain cure where science meets religion taschenbuch amazon de](#) - Feb 09 2023

web certain cure where science meets religion valoppi jennifer isbn 9780980168204 kostenloser versand für alle bücher mit versand und verkauf duch amazon

certain cure where science meets religion english edition - Mar 10 2023

web certain cure where science meets religion chronicles the life of 3 generations of the cummings family claire a woman in her 70s who has been diagnosed with terminal cancer helene her television journalist daughter and justin the teenage grandson whose adoration of his grams leads him to discover the dark secret behind the miracle

[buick lesabre 1999 service manual 368 pages car manuals](#) - Aug 14 2023

web view print and download for free buick lesabre 1999 service manual 368 pages pdf size 2 65 mb search in buick lesabre 1999 service manual online carmanualsonline info is the largest online database of car user manuals buick lesabre 1999 service manual pdf download

[buick lesabre service manual fsm 1996 1999 issuu](#) - Jun 12 2023

web apr 15 2012 buick lesabre service manual fsm 1996 1999 by hong lee issuu download now for 1996 the lesabre received the 3800 series ii powerplant with a gain of 35 hp 26 kw the engine

1999 buick lesabre pdf service repair manuals youfixcars com - Oct 04 2022

web oldsmobile eighty eight buick lesabre 1996 1999 factory service workshop repair manual 1999 buick lesabre service repair manual software buick lesabre 1996 1999 service repair workshop manual download pdf oldsmobile eighty eight buick lesabre 1996 1999 service repair workshop manual download pdf 1999 buick

[1996 1999 buick lesabre service repair manual](#) - Feb 08 2023

web 1996 1999 buick lesabre service repair manual thanks for taking the time to look at this complete service repair workshop manual this able manual covers every service repair procedure you will need description

buick lesabre complete workshop service repair manual 1996 1997 1998 1999 - Dec 06 2022

web buick lesabre complete workshop service repair manual 1996 1997 1998 1999 thanks for taking the time to look at this complete service repair workshop manual this downloadable manual covers every service repair procedure you will need

1999 buick lesabre service repair manuals pdf download motor era - Feb 25 2022

web jun 10 2017 1999 buick lesabre service repair manual software buick lesabre 1996 1999 service repair workshop manual download pdf oldsmobile eighty eight buick lesabre 1996 1999 service repair workshop manual download pdf 1999 buick lesabre service and repair manual 1992 1999 buick lesabre service and

[buick lesabre service repair manual pdf just give me the damn manual](#) - Apr 10 2023

web oldsmobile eighty eight buick lesabre 1996 1999 service repair workshop manual download pdf download now buick riviera lesabre skylark 4400 4600 4700 4800 1964 service repair workshop manual download pdf download now buick lesabre complete workshop service repair manual 2000 2001 2002 2003 2004 2005 download now

buick le sabre free workshop and repair manuals - Oct 16 2023

web buick le sabre workshop repair and owners manuals for all years and models free pdf download for thousands of cars and trucks

1996 buick lesabre service repair manuals pdf download - Sep 15 2023

web jun 10 2017 oldsmobile eighty eight buick lesabre 1996 1999 factory service workshop repair manual buick lesabre 1996 1999 service repair workshop manual download pdf oldsmobile eighty eight buick lesabre 1996 1999 service repair workshop manual download pdf 1996 buick lesabre service and repair manual

1996 buick lesabre service and repair manual - Mar 29 2022

web 1996 buick lesabre complete workshop manual to help you service and repair your vehicle satisfaction guaranteed 100 or your money back

1999 buick lesabre service manual diy repair manuals - Aug 02 2022

web original factory 1999 buick lesabre service manual by diy repair manuals best selection and lowest prices on owners manual service repair manuals electrical wiring diagram and parts catalogs diy is the top rated supplier of printed dealership factory manuals all manuals in stock

buick lesabre 1996 1999 service repair manual issuu - Jul 01 2022

web buick lesabre 1996 1999 service repair manual download download here this manual apply to buick le sabre 1996 1997 1998 1999 cover everythings the best bang for the buck everywhere

1999 buick lesabre service repair manuals pdf download - Mar 09 2023

web 1999 buick lesabre service repair manual software buick lesabre 1996 1999 service repair workshop manual download pdf oldsmobile eighty eight buick lesabre 1996 1999 service repair workshop manual download pdf 1999 buick lesabre service and repair manual 1992 1999 buick lesabre service and repair

buick lesabre repair manual online repairsurge - Sep 03 2022

web your online buick lesabre repair manual lets you do the job yourself and save a ton of money no more eye popping bills at the repair shop your manual pays for itself over and over again repairsurge covers the following production years for the buick lesabre select your year to find out more

1996 1999 buick lesabre service repair manual - May 31 2022

web cover 1996 1997 1998 1999 buick le sabre you are buying a lesabre factory service workshop manual this is the very same manual that your local gm dealer technician uses in repairing servicing your vehicle this manual covers every service and repair imaginable from oil changes to rebuilding the transmission perfect for the diy person

buick lesabre 1996 1999 service repair manual by sdfg issuu - Nov 05 2022

web nov 3 2013 instant download cover 1996 1997 1998 1999 buick le sabre you are buying a lesabre factory service workshop manual this is the very same manual that your local gm dealer technician uses in

buick lesabre 1996 manual pdf download manualslib - May 11 2023

web inspect fuel tank cap and lines for damage or leaks page 305 short trip city maintenance schedule 66 000 miles i10 000 km 69 000 miles 115 000 km change engine oil and filter or every change engine oil and filter or every 3 months whichever occurs first 3 months whichever occurs first

1996 lasabre service and repair manual manuals online - Apr 29 2022

web 1996 lasabre service and repair manual also customer support over the email and help to fix your car right the first time 20 years experience in auto repair and body work mercedes mechanic for last 10 years

buick lesabre 1999 repair manual 368 pages car manuals - Jul 13 2023

web view print and download for free buick lesabre 1999 repair manual 368 pages pdf size 2 65 mb search in buick lesabre 1999 repair manual online carmanualsonline info is the largest online database of car user manuals

1996 buick lesabre service repair manuals pdf download - Jan 07 2023

web 1996 buick lesabre service repair manual software oldsmobile eighty eight buick lesabre 1996 1999 factory service workshop repair manual buick lesabre 1996 1999 service repair workshop manual download pdf oldsmobile eighty eight buick lesabre 1996 1999 service repair workshop manual download pdf 1996 buick

fish definition species classification facts britannica - Jul 20 2023

web sep 14 2023 fish any of approximately 34 000 species of vertebrate animals phylum chordata found in the fresh and salt waters of the world living species range from the primitive jawless lampreys and hagfishes through the cartilaginous sharks skates and rays to the abundant and diverse bony fishes

2 hours of beautiful coral reef fish relaxing ocean fish youtube - Apr 17 2023

web nov 9 2016 enjoy 2 hours of relaxing coral reef aquarium this video features beautiful coral reef fish and relaxing music

that is ideal for sleep study and meditation

fish english meaning cambridge dictionary - Dec 13 2022

web fish definition 1 an animal that lives in water is covered with scales and breathes by taking water in through learn more *fishing in turkey turkey angloinfo* - Nov 12 2022

web alternatively they can fish from their own boat or from the shore tourists who choose to fish alone however should pay attention to the strong current that runs in the strait fishing bans during breeding seasons fishing is illegal in some areas this depends on the region and type of fish however the fishing ban generally lasts from 1

fish pictures facts national geographic - Jun 19 2023

web fin fish like salmon have gills are covered in scales and reproduce by laying eggs eels by contrast have worm like bodies and exceedingly slimy skin lungfish gulp air

fish wikipedia - Aug 21 2023

web a fish pl fish or fishes is an aquatic craniate gill bearing animal that lacks limbs with digits included in this definition are the living hagfish lampreys and cartilaginous and bony fish as well as various extinct related groups approximately 95 of living fish species are ray finned fish belonging to the class actinopterygii with around 99 of those being

fish nedir ne demek - Jan 14 2023

web fish ne demek balık balık tutmak balık avlamak balığa çıkmak Çekip çıkarmak bulup çıkarmak denizden çıkarmak tahta veya demir parçası ile takviye etmek seren berkitmek araştırmak

names and types of fish in turkey your full guide to turkish fish - Mar 16 2023

web mezigit is a type of turkish fish haddock is a type of fish that children love due to its similarity to chicken meat served and cooked in slices it can also be made using cornmeal its length is about 20 40 cm it is abundant in the waters of the black sea and marmara in turkish it is pronounced mizket facebook

41 types of fish most popular saltwater and freshwater fish - Feb 15 2023

web it is a fish that lives in freshwater and is recognized due to its wide mouth flat head and long whisker like features they can live up to 60 years if there is an abundance of food and a low threat of predators note we have a detailed guide all about catfish specifically check it out here sauger fish

fish simple english wikipedia the free encyclopedia - May 18 2023

web there are many different kinds of fish they live in fresh water in lakes and rivers freshwater fish and in salt water marine fish in the oceans some fish are less than one centimeter long the largest fish is the whale shark which can be almost 15 meters long and weigh 15 tons almost all fish live in the water