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DRONA SERIES
JCL STUDY MATERIAL

CHAPTER - 1

INTRODUCTION

Job control language. It is a means of communication between a program that can be written in COBOL , ASSEMBER or PL/I and the MVS operating system. Without a JCL, you cant able to run a job on MVS operating system.

Let us start with an example jcl, how it looks like. The following jcl is used to run an cobol program. I will explain in this chapter each and every line of this jcl. If you are already fimiliar with jcl, please skip first 6 chapters.

(First 1 - 6 chapters intended for beginners)

JCL , used to run a cobol program

```
//JOB1      JOB   (034D),"RAMESH KRISHNA REDDY",CLASS="A",PRTY=6
//STEP01    EXEC  PGM=COBPROG.
//INFILE    DD    DSN=SED.GLOB.DES.INFILE,DISP=SHR
//OUTFILE   DD    DSN=SED.GLOB.DES.OUTFILE,
//                DISP=(NEW,CATLG,DELETE),
//                UNIT=DISK,
//                SPACE=(CYL,(1,5),RLSE),
```

Jcl Reference Guide

R Sandford

Jcl Reference Guide:

   MVS/extended Architecture JCL Reference ,1989   **ABCs of IBM z/OS System Programming Volume 2** Lydia Parziale,Guillermo Cosimo,Lutz Kuehner,IBM Redbooks,2018-04-07 The ABCs of IBM z OS System Programming is a 13 volume collection that provides an introduction to the z OS operating system and the hardware architecture Whether you are a beginner or an experienced system programmer the ABCs collection provides the information that you need to start your research into z OS and related subjects If you want to become more familiar with z OS in your current environment or if you are evaluating platforms to consolidate your e business applications the ABCs collection can serve as a powerful technical tool This volume describes the basic system programming activities related to implementing and maintaining the z OS installation and provides details about the modules that are used to manage jobs and data It covers the following topics Overview of the parmlib definitions and the IPL process The parameters and system data sets necessary to IPL and run a z OS operating system are described along with the main daily tasks for maximizing performance of the z OS system Basic concepts related to subsystems and subsystem interface and how to use the subsystem services that are provided by IBM subsystems Job management in the z OS system using the JES2 and JES3 job entry subsystems It provides a detailed discussion about how JES2 and JES3 are used to receive jobs into the operating system schedule them for processing by z OS and control their output processing The link pack area LPA LNKLST authorized libraries and the role of VLF and LLA components An overview of SMP E for z OS An overview of IBM Language Environment architecture and descriptions of Language Environment s full program model callable services storage management model and debug information Other volumes in this series include the following content Volume 1 Introduction to z OS and storage concepts TSO E ISPF JCL SDSF and z OS delivery and installation Volume 3 Introduction to DFSMS data set basics storage management hardware and software catalogs and DFSMStvs Volume 4 Communication Server TCP IP and IBM VTAM Volume 5 Base and IBM Parallel Sysplex System Logger Resource Recovery Services RRS global resource serialization GRS z OS system operations automatic restart management ARM IBM Geographically Dispersed Parallel SysplexTM IBM GDPS Volume 6 Introduction to security IBM RACF Digital certificates and PKI Kerberos cryptography and z990 integrated cryptography zSeries firewall technologies LDAP and Enterprise Identity Mapping EIM Volume 7 Printing in a z OS environment Infoprint Server and Infoprint Central Volume 8 An introduction to z OS problem diagnosis Volume 9 z OS UNIX System Services Volume 10 Introduction to IBM z Architecture the IBM Z platform and IBM Z connectivity LPAR concepts HCD and the DS Storage Solution Volume 11 Capacity planning performance management WLM IBM RMFTM and SMF Volume 12 WLM Volume 13 JES3 JES3 SDSF   *Cornell MVS User's Guide* ,1987   DB2 ,1988   MVS JCL & Utilities Michael Trombetta,Sue Carolyn Finkelstein,1989   Argonne Computing Newsletter ,1990-11   **Mvs Jcl in Plain English** Donna Kelly,Jim Harding,2002-10-18 JCL is the stuff of nightmares for many programmers and operators This book explains JCL in such a way

as to have it make sense This book will help you learn how to to tell the IBM MVS mainframe computer how and when to execute your programs To do this you use a language called JCL for Job Control Language You use JCL to tell the mainframe how much memory and other resources your programs will need how long each program should be allowed to run what order to run the programs in where to get the input data where to put the output data and so on JCL controls almost everything related to running programs on MVS If you have a comfortable understanding of ordinary English language and are looking for a quick and easy way to learn JCL this book is for you If you already know a little JCL and what you really want is a handy reference guide to bail you out on commonly occurring problems with JCL youre in luck again this book is for you there too If youre looking for an introduction to some of the more advanced and obscure tricks you might have seen people use in MVS you guessed it this book is for you on that as well How can this book do all that at once Because contrary to its reputation JCL is not particularly difficult it just has esoteric aspects that make it seem difficult if you have nobody to explain things Once explained all seems clear as with most things This book can be used as a reference book there are numerous examples and the index will assist you in finding what you are looking for when you need to find a solution to a problem You can also read the book as an introductory text from start to finish Things are explained in plain ordinary language so even if you have never before seen one line of JCL you should have no trouble with the text and by the time you get halfway through the book people should be starting to see you as an expert probably to your great surprise When you read the book straight through in this way you will come across a lot of obscure but useful information to help you in your routine use of MVS JCL is a language like any other If you travel to an area where you do not speak the language you get a certain amount of satisfaction when you are able to make yourself understood using that language be it to make a phone call or ask for directions or just to ask the price of something The more you use the language the more you feel at ease using it Having good guidebooks saves you a lot of learning time And who doesnt love it when other people start mistaking us for locals and asking us the directions Thats the same sort of feeling youll get the first few times your co workers ask you to help them with their JCL problems and that will start happening a lot sooner than you might think because contrary to appearances most of them dont know much more about it than you do now Thats why they have so much trouble explaining it to you Thats why you want a good book on it now JCL is not generally taught in schools and Universities so people who need to use JCL generally have to learn it on the job For the most part they have a difficult time largely because the people they learn from dont have a good grounding in JCL either Those other people only learned enough to get by when doing a few things they needed to do and those few things may not be the same things you need to do now So your co workers can be of only limited help to you with learning JCL Whether your job is programming operations or anything else whatever your reason for wanting to learn JCL this book is designed to help you It will help you learn JCL in the first place and thereafter it will be a useful reference you can keep coming back to like an old friend to help you out when you get into trouble   *MVS/JCL Quick Reference Guide* Olivia R. Carmandi,1991-11-01

Completely indexed for fast access this handy pocket reference eliminates searching through endless pages of documentation to find the command code function or statement you need Each listing shows by example correct usage and syntax Covers coding catalog procedures new and changed ESA JCL ESA JCL Rel 4 examples COND SMS JCL models and much more

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