

```
//STEP1 EXEC PGM=IKJEFT01,  
//          DYNAMNBR=20  
//DBRMLIB DD DSN=TEST01.XXXX.DBRLIB,DISP=SHR  
//INPUT   DD DISP=SHR,DSN=TEST01.INPUT.FILE  
//SYSTSPRT DD SYSOUT=*  
//SYSPRINT DD SYSOUT=*  
//SYSUDUMP DD SYSOUT=*  
//SYSTSIN DD *
```

```
      DSN SYSTEM(DBT1)  
      RUN PROGRAM(TEST01) PLAN(TEST01) -  
      LIB('TEST01.XXXX.L02')  
END
```

DB2 environment (Test,  
Model or Production)

Load module  
location

Plan Name

# Cobol Db2 Programming Guide

**Jessica J Manson**



## **Cobol Db2 Programming Guide:**

DB2 Universal Database for OS/390 V7.1 Application Certification Guide Susan Lawson, 2002 IBM's definitive DB2 UDB V7.1 application development reference and exam study guide for the OS 390 and z OS platforms An official IBM self study guide for the DB2 UDB V7.1 Family Application Development Exam 514 Expert DB2 programming tips techniques and guidelines from application development experts Covers data structures SQL stored procedures programming language environments debugging tuning and more CD ROM contains complete DB2 application development sample exam The definitive authoritative guide to DB2 OS 390 application development certification Covers data structures SQL stored procedures programming language environments debugging tuning and much more Includes a full section on object relational programming and other advanced techniques Sample test questions help you prepare for the IBM DB2 UDB V7.1 Family Application Development Exam 514 About the CD The CD ROM included with this book contains a complete DB2 UDB V7.1 Family Application Development Exam 514 sample exam IBM DB2 UDB Version 7.1 for OS 390 and z OS delivers unparalleled performance scalability and reliability in today's enterprise business environments Now there's a complete authoritative guide to developing applications with DB2 UDB V7.1 in both OS 390 and z OS environments and preparing for the IBM DB2 UDB V7.1 Family Application Development Exam 514 This comprehensive day to day guide to DB2 UDB application development is also the only book that delivers the depth of knowledge professionals need to pass IBM's challenging application development exam for the OS 390 and z OS platforms IBM Gold Consultant Susan Lawson presents hundreds of useful tips practical techniques and expert guidelines for every facet of DB2 UDB application development and every stage of the development process for both OS 390 and z OS platforms Coverage includes Foundations for effective DB2 development including an overview of the DB2 UDB product family and DB2 for OS 390 data structures SQL basic concepts and coding techniques through advanced OLAP features star schemas and star joins Stored procedures including the SQL procedure language and IBM's Stored Procedure Builder Best practices for application testing debugging and performance tuning The full range of DB2 development tools including ODBC CLI Java™ COBOL C C REXX CAF CICS and RRSAP Object relational programming including user defined functions user defined data types and triggers In depth coverage of locking and concurrency Whether you're developing for DB2 UDB V7.1 in an OS 390 or z OS environment managing DB2 UDB V7.1 application development preparing for DB2 UDB V7.1 Family Application Development or all three DB2 UDB for OS 390 Version 7.1 Application Certification Guide will be your single most valuable resource IBM DB2 Series DB2 Developer's Guide Craig Mullins, 1992 Written for technical users of DB2 this reference book provides hard to find information about this database Packed with tips and experience based techniques this book also delivers information on coding efficient SQL monitoring and tuning DB2 performance DB2 Certification Guide for Common Servers Grant Hutchison, Calene Janacek, 1997 The DB2 Certification Handbook is a complete self study guide for the latest release of DB2 relational database

version 2 Common Server An ITSO IBM Redbook which provides in depth coverage of two primary database job functions database developer and database administrator Also includes sample test questions and gives real world examples and exercises

[z/OS Version 1 Release 13 Implementation](#) Paul Rogers, Diniz Bortolotto, Robert Hering, George Kozakos, Lutz Kuehner, Jean-Louis Lafitte, Diana Nakajima, Paulo Nascimento, Nelson Oliveira, Gil Peleg, Giancarlo Rodolfi, Anthony Soares, Joao Zanon, IBM Redbooks, 2012-03-27 This IBM Redbooks publication provides information about installation and migration changes to be aware of if you are responsible for migrating systems from IBM z OS V1R10 z OS V1R11 and z OS V1R12 to z OS V1R13 It also highlights actions that are needed to prepare for the installation of z OS V1R12 including ensuring driving system and target system requirements are met and coexistence requirements are satisfied There is a special focus on identifying new migration actions that must be performed for selected elements when migrating to z OS V1R13 The book addresses the following topics z OS V1R13 overview z OS V1R13 installation managing volume backups with fast replication XCF enhancements console service enhancements DFSMSdfp DFSMSoam DFSMShsm ISPF enhancements DFSMSrmm enhancements establishing IBM RACF security for RRSF TCP IP connections GRS enhancements BCP supervisor contents supervisor and RSM updates improved channel recovery Service aids enhancements System Logger SMF z OS UNIX System Services z OS UNIX related applications RRS z OS Management Facility z OS HCD and HCM C language Storage management enhancements Common Information Model Predictive Failure Analysis Extended Address Volume BCPii Capacity Provisioning System SSL enhancements UNICODE IBM Language Environment SDSF enhancements JES2 enhancements JES3 enhancements IBM RMFTM enhancements IBM WebSphere Application Server OEM z OSMF CIM and Capacity Provisioning setups BCPii Metal C example

**Introduction to the New Mainframe: IBM z/VSE Basics** Mike Ebbers, Wolfgang Bosch, Hans Joachim Ebert, Helmut Hellner, Jerry Johnston, Marco Kroll, Wilhelm Mild, Wayne O'Brien, Bill Ogden, Ingolf Salm, Joerg Schmidbauer, Martin Walbruehl, IBM Redbooks, 2016-03-02 This IBM Redbooks publication is based on the book Introduction to the New Mainframe z OS Basics SG24 6366 which was produced by the International Technical Support Organization ITSO Poughkeepsie Center It provides students of information systems technology with the background knowledge and skills necessary to begin using the basic facilities of a mainframe computer For optimal learning students are assumed to have successfully completed an introductory course in computer system concepts such as computer organization and architecture operating systems data management or data communications They should also have successfully completed courses in one or more programming languages and be PC literate This textbook can also be used as a prerequisite for courses in advanced topics or for internships and special studies It is not intended to be a complete text covering all aspects of mainframe operation It is also not a reference book that discusses every feature and option of the mainframe facilities Others who can benefit from this course include experienced data processing professionals who have worked with non mainframe platforms or who are familiar with some aspects of the mainframe but want to become knowledgeable with other

facilities and benefits of the mainframe environment As we go through this course we suggest that the instructor alternate between text lecture discussions and hands on exercises Many of the exercises are cumulative and are designed to show the student how to design and implement the topic presented The instructor led discussions and hands on exercises are an integral part of the course and can include topics not covered in this textbook In this course we use simplified examples and focus mainly on basic system functions Hands on exercises are provided throughout the course to help students explore the mainframe style of computing At the end of this course you will be familiar with the following information Basic concepts of the mainframe including its usage and architecture Fundamentals of IBM z VSE VSE an IBM zTM Systems entry mainframe operating system OS An understanding of mainframe workloads and the major middleware applications in use on mainframes today The basis for subsequent course work in more advanced specialized areas of z VSE such as system administration or application programming Batch Modernization on z/OS Mike Ebbers, Elsie Ramos, Snehal Antani, Patrick Bruinsma, Manuel Mueller, Martin Packer, Christian Strauer, Sridhar Sudarsan, Susann Thomas, Andreas Wagner, Janet Wall, IBM Redbooks, 2012-07-26 Mainframe computers play a central role in the daily operations of many of the world s largest corporations and batch processing is a fundamental part of the workloads that run on the mainframe A large portion of the workload on IBM z OS systems is processed in batch mode Although several IBM Redbooks publications discuss application modernization on the IBM z OS platform this book specifically addresses batch processing in detail Many different technologies are available in a batch environment on z OS systems This book demonstrates these technologies and shows how the z OS system offers a sophisticated environment for batch In this practical book we discuss a variety of themes that are of importance for batch workloads on z OS systems and offer examples that you can try on your own system The audience for this book includes IT architects and application developers with a focus on batch processing on the z OS platform

**California 2000 Program Guide** ,1996 **Computerworld** ,1994-12-05 For more than 40 years Computerworld has been the leading source of technology news and information for IT influencers worldwide Computerworld s award winning Web site Computerworld com twice monthly publication focused conference series and custom research form the hub of the world s largest global IT media network **The REXX Handbook** Gabriel Goldberg, Philip H. Smith (III.), 1992 This book provides a REXX tutorial combined with practical tips on programming methods and application development Includes practical coverage of programming for good performance effective debugging techniques user interface design strategies system dependencies and interfaces program maintenance guidelines REXX interpreter and compiler implementations

*Computerworld* ,1987-04-27 For more than 40 years Computerworld has been the leading source of technology news and information for IT influencers worldwide Computerworld s award winning Web site Computerworld com twice monthly publication focused conference series and custom research form the hub of the world s largest global IT media network

SQL/400 Developer's Guide Paul Conte, Mike Cravitz, 2000 IBM and the rest of the computer industry are putting most of

their DBMS development efforts into SQL This reference provides the SQL 400 skills that a successful applications developer needs and shows how to create comprehensive complex and professional SQL 400 databases Query Management Facility,1992 CICS Command Level Programming Alida Jatich,1991-05-28 This Second Edition includes all relevant information regarding IBM s latest major update releases of CICS Using a step by step tutorial it shows how to develop and maintain CICS code for maximum system effectiveness Coverage includes all commands support functions and VS COBOL II detailed information on using the first microcomputer OS 2 version of CICS and table setup and system utilities for applications programmers developing software on personal computers By providing a wealth of real world examples teaches readers a practical streamlined approach to problem solving using the latest CICS coding techniques The Handbook for Microcomputer Technicians Peter N. Bernstock,1993 For anyone who repairs PCs or would just like to know how they work No background in hardware is assumed or necessary Offers tips and techniques connected with service and repair issues in a broad range of situations in multi vendor environments Appendixes contain reference material from IBM Eps **VSE/ESA** Bill Merrow,1994 This authoritative and comprehensive reference provides systems programmers technical staff and end users with all the information they need to successfully install and maintain VSE operating systems Following a basic review of hardware and software management functions for the less experienced user the book covers design structure and usage of each VSE ESA operating component in detail IBM Mainframes Nallur S. Prasad,Jeffrey Savit,1994 The definitive reference for 360 370 and 370 XA architecture as well as design concepts for the 303X 4381 308X 9370 and 3090 series Updated to include the latest pertinent information on the new 370 ESA architecture as well as the new Summit series

**Software Configuration Management Handbook** Alexis Leon,2005 This completely revised edition of an Artech House bestseller goes far beyond other SCM books as the only complete guide that integrates SCM principles advanced topics and implementation procedures in one easy access resource The second edition has been greatly expanded with new chapters on documentation control product data management SCM standards and software process improvement models like CMM CMMI BOOTSTRAP ISO SPICE and Trillium Moreover it explores the latest advances in SCM tools tool selection and implementation level of automation needed SCM organization implementation operation and maintenance of the SCM system In addition to the traditional software development models this edition discusses the role of SCM in new software development methodologies such as XP Adaptive Software Development ASD and the Dynamic Systems Development Method DSDM The PC Data Handbook Stanley Shell,1992 APPC Alex Berson,1990 This work covers the structure components and implementation of LU6 2 to connect mainframes mid range and microcomputers and details CICS and CICS VS interfaces SAA and SNA A must read for all network and communication specialists **VM/ESA Systems Handbook** Gabriel Goldberg,Philip H. Smith (III.),1993 This encyclopedic reference shows how to exploit VM ESA with step by step guidance through evaluation planning installation and operation Provides essential information for system programmers data

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