

The Working-Storage Section of the interactive program

```
WORKING-STORAGE SECTION.
```

```
*
```

```
77  END-OF-SESSION-SWITCH      PIC X          VALUE "N".  
77  SALES-AMOUNT                PIC 9(5)V99.  
77  SALES-TAX                   PIC Z,ZZZ.99.
```

Coding rules

- Code the level number (77) in the A margin, and code the data name, its Picture (PIC) clause, and its Value clause (if any) in the B margin.
- Code the Value clause so it is consistent with the Picture clause for each data item.
- Code a period at the end of each data item.
- You can use other level numbers when you want to group the entries in working storage.

Murach S Mainframe Cobol

D Kirk



Murach S Mainframe Cobol:

Murach's Mainframe COBOL Mike Murach, Anne Prince, Raul Menendez, 2004 This is the latest edition of our classic COBOL book that has set the standard for structured design and coding since the mid 1970s So if you want to learn how to write COBOL programs the way they're written in the best enterprise COBOL shops this is the book for you And when you're done learning from this book it becomes the best reference you'll ever find for use on the job Throughout the book you will learn how to use COBOL on IBM mainframes because that's where 90% or more of all COBOL is running But to work on a mainframe you need to know more than just the COBOL language That's why this book also shows you how to use the ISPF editor for entering programs how to use TSO E and JCL to compile and test programs how to use the AMS utility to work with VSAM files how to use CICS for developing interactive COBOL programs how to use DB2 for developing COBOL programs that handle database data how to maintain legacy programs If you want to learn COBOL for other platforms this book will get you off to a good start because COBOL is a standard language In fact all of the COBOL that's presented in this book will also run on any other platform that has a COBOL compiler Remember though that billions of lines of mainframe COBOL are currently in use and those programs will keep programmers busy for many years to come

Concepts and ISPF Doug Lowe, 1991 Now you can quickly master ISPF with this practical book Chapter 1 introduces you to MVS both MVS XA and MVS ESA and shows you how TSO ISPF relates to the operating system Then the remaining 7 chapters teach you how to use ISPF for everyday programming tasks

Future-Proof Software-Systems Frank J. Furrer, 2019-09-25 This book focuses on software architecture and the value of architecture in the development of long-lived mission-critical trustworthy software systems The author introduces and demonstrates the powerful strategy of Managed Evolution along with the engineering best practice known as Principle-based Architecting The book examines in detail architecture principles for e.g. Business Value Changeability Resilience and Dependability The author argues that the software development community has a strong responsibility to produce and operate useful dependable and trustworthy software Software should at the same time provide business value and guarantee many quality of service properties including security safety performance and integrity As Dr Furrer states Producing dependable software is a balancing act between investing in the implementation of business functionality and investing in the quality of service properties of the software systems The book presents extensive coverage of such concepts as Principle Based Architecting Managed Evolution Strategy The Future Principles for Business Value Legacy Software Modernization Migration Architecture Principles for Changeability Architecture Principles for Resilience Architecture Principles for Dependability The text is supplemented with numerous figures tables examples and illustrative quotations Future Proof Software Systems provides a set of good engineering practices devised for integration into most software development processes dedicated to the creation of software systems that incorporate Managed Evolution

Murach's CICS Desk Reference Raul Menendez, Doug Lowe, 2002 This new edition of Murach's classic CICS Programmer

s Desk Reference is updated throughout to present both the latest versions of CICS and the latest CICS programming practices An easy to use CICS command reference makes up the bulk of the book but there is also new or expanded material on CICS program design Structured ANS COBOL: An advanced course using 1974 and 1985 ANS COBOL Mike Murach,Paul Noll,1986 This 2 part course is the easiest way for you to learn what you want to know about ANS COBOL whether you re developing new programs or maintaining old ones The two parts are independent you can choose either or both depending on your current skills Part 1 A Course for Novices teaches beginners how to design and code COBOL programs that prepare reports Because report programs often call subprograms use COPY members handle one level tables and read indexed files this book covers those subjects too Part 2 An Advanced Course is a complete guide to the 1974 and 1985 elements that all programmers should know how to use although many don t So it covers sequential indexed and relative file handling alternate indexing and dynamic processing internal sorts and merges the COPY library subprograms single and multilevel table handling character manipulation and if you re working on a 1974 compiler proper use of 1974 code so your programs will be easy to convert when you switch to a 1985 compiler Alone or together I m convinced you ll find these books to be the most effective COBOL course you ve ever used Structured ANS COBOL: A course for novices using a subset of 1974 and 1985 ANS COBOL Mike Murach,Paul Noll,1986 This 2 part course is the easiest way for you to learn what you want to know about ANS COBOL whether you re developing new programs or maintaining old ones The two parts are independent you can choose either or both depending on your current skills Part 1 A Course for Novices teaches beginners how to design and code COBOL programs that prepare reports Because report programs often call subprograms use COPY members handle one level tables and read indexed files this book covers those subjects too Part 2 An Advanced Course is a complete guide to the 1974 and 1985 elements that all programmers should know how to use although many don t So it covers sequential indexed and relative file handling alternate indexing and dynamic processing internal sorts and merges the COPY library subprograms single and multilevel table handling character manipulation and if you re working on a 1974 compiler proper use of 1974 code so your programs will be easy to convert when you switch to a 1985 compiler Alone or together I m convinced you ll find these books to be the most effective COBOL course you ve ever used **Murach's Structured COBOL** Mike Murach,Anne Prince,Raul Menendez,2000 This book does something no other COBOL book does it teaches how to develop COBOL programs using a PC based compiler as well as on a mainframe It s realistic slant and the emphasis on the structured programming methods that professionals use make this book the ideal choice for anyone wanting to learn COBOL **Journal of Object-oriented Programming** ,2001 Subject Guide to Books in Print ,1997 *OS/390 and Z/OS JCL* Raul Menendez,Doug Lowe,2002 A thoroughly redesigned and updated version of Murach s best selling book that makes it easier than ever to learn how to use JCL Job Control Language on IBM mainframes After you learn how to use JCL for the jobs that you run everyday you will learn the advanced JCL skills that let you get the most from your operating

system Along the way you ll learn how to use general purpose utilities the IDCAMS utility for VSAM files and Unix system services It s all there in the unique Murach style that has been training professional programmers for more than 25 years

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Whitaker's Books in Print ,1998 Publishers' Trade List Annual, 1991 Bowker Editorial Staff,1991-09

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