CONDOR SERIES 20

Relational Database Management System

Demonstration Guide

HEWLETT PACKARD

974 East Arques Avenue, Sunnyvale, California 94086

Printed in USA 4/83
5955-3944

PURPOSE:

The purpose of this demo is to provide a way to demonstrate the CONDOR Database Management System (DBMS) to interested people. It is assumed that the demonstrator is familiar with the HP Series 100 Computer.

EQUIPMENT REQUIRED TO RUN THE DEMO:

HP Series 100 Computer (HP 125 or HP 120)
82901M (5 1/4") or 9121D (3 1/2") Floppy Disk Drive or Equivalent
Any printer which interfaces to the HP Series 100

also desirable, but not required:
Wordstar/100 or Series 100/Word

SCOPE:

This demo has three sections: **BASIC, ADVANCED,** and **REPORT WRITING.** Each can run independently.

The **BASIC** section demonstrates how to set up and enter data into a simple database. It also shows how easy it is to add items to an already defined database. Finally, it demonstrates sorting, selecting and reporting data from the database. Depending on how fast you presented it, it could take 10-20 minutes to run.

The **ADVANCED** section works with databases already set up on the demo disc. It demonstrates more complex features such as relating data between two databases, more advanced reporting, and interfacing CONDOR DBMS with other Series 100 software systems. This portion is self-running through the use of command files and help screens. It takes 8 minutes to run and this allows some amount of time to discuss it as it runs. However, you might want to plan on 10-15 minutes.

The **REPORT WRITING** section demonstrates how to create, revise, and print a report using the Condor Report Writer. In creating a report, it displays how to develop a report form and how to use the short method for creating a report specification. This section should take about 15-20 minutes.

****

THE BASIC DEMO

****

THE SITUATION:

You want to create an electronic card file (database) with information about your employees which you can use to easily locate various information and produce reports.

CREATE A NEW DATABASE

Create an EMPLOYEE database using your CONDOR DBMS.

1. Place the Condor DBMS 20-2 disc into the A: disc drive and:
   Push **"Condor 20-2"** softkey

2. Following the A>> prompt, type the command:

   DEFINE EMPLOYEE

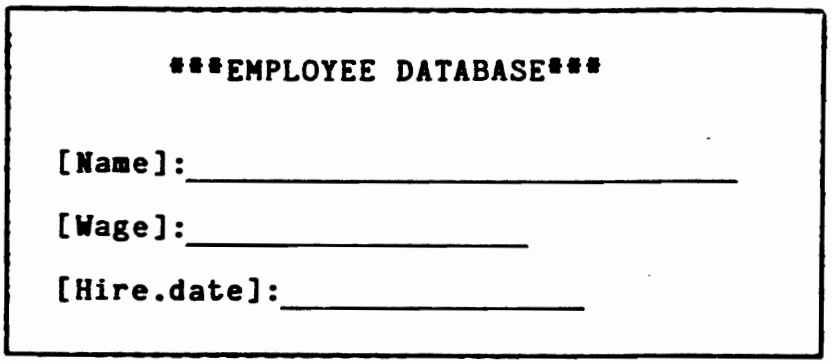
CONDOR will ask you if you want to create a new form (Y/N)?. Respond:

Y

CONDOR creates an empty screen for you to make you to make your employee database entry form. To create this form, simply use the cursor areows, backspace, and return keys.

The INS CHAR and DEL CHAR keys can be used to edit information on the screen.

3. Your form will contain a heading and three data items. Type onto the the HP 125 screen a form that looks like this:



The actual location of the information on the screen is not critical. In fact you can use the ins line and del line keys to move them around according to your taste.

However, the brackets ([]), the words they contain, and the underline characters (Note: not hyphens!) that follow them are important.

4. When you are satisfied with the format, press:

END softkey.

CONDOR will ask if you want to define a new database using this format (Y/N)? Reply:

Y

CONDOR will ask you to enter data definitions for each data item you put on the screen (these were the labels you placed between the brackets). It does this by listing the name of the item and having you enter a code, followed by return, to describe the kind of data to be entered in that data item.

You will notice on the screen, that after you enter your code, CONDOR will add some numbers on that line before listing a new line. Don't worry about them now.

Below is listed the data items and code responses you will give for your employee database.

ITEM	CODE	Meaning
Name	AN	Alphanumerics
Wage	$	Dollars
Hire.date	J	Julian date

5. Now respond by entering the codes after each item.

Name, **AN** <RETURN>

Wage, **$** <RETURN>

Hire.date, **J** <RETURN>

CONDOR will now ask you if the definitions are OK? (Y/N)?

Review your responses. If you made an error, respond: N , and you can redo them. If they are OK, respond:

Y

CONDOR next asks if you want a printed copy (Y/N)?.

If you have a printer connected to your HP 125, You will find it handy to get a hardcopy. Respond: Y. If no printer, respond:

N

CONDOR completes the Define command and returns to the A>> prompt.

```
*****************************************************
*                                                   *
*                CONGRATULATIONS                    *
*            YOU HAVE JUST CREATED                  *
*             A CONDOR DATABASE !                   *
*                                                   *
*              WASN'T THAT EASY???                  *
*                                                   *
*****************************************************
```

ENTER DATA INTO YOUR DATABASE

Enter data into your EMPLOYEE database

1. Enter the command:

ENTER EMPLOYEE

Condor will respond by displaying your form on the screen, presenting the blanks to be filled in in inverse video, and positioning the cursor at the beginning of the first item to be entered. Data is entered by typing information into the inverse video blanks. When the end of one blank is reached, the cursor skips to the beginning of the next blank.

You can move back or forward one blank with the back tab and tab keys respectively. The return key also moves the cursor forward one blank.

You can move the cursor back or forward within a blank using the backspace or spacebar respectively. Use these keys to edit data within a blank.

Since the Name field is defined as alphanumeric, you can enter anything into it. The Wage field is defined as a $ field and therefore must contain 2 and only 2 decimal positions. The Hire.date field is defined as a date field and must have a valid date in the MM/DD/YY format, including the slash (/).

2. Enter the data below:

NAME	WAGE	HIRE DATE
Larry	**1525.00**	**6/17/78**
Steve	**1850.00**	**11/23/76**
David	**1485.25**	**2/6/80**
Diane	**1635.50**	**4/18/78**
Loraine	**1760.00**	**10/26/77**
Neal	**1585.75**	**8/4/81**

You complete the form in one of several ways.

-- fill in the last space in the last blank

-- tab or return out of the last blank

-- push the End softkey

When you complete the form for one employee, the softkeys will change.

3. If you have more employees to enter, push Continue. Your record will be stored and the blanks will be cleared for another entry:

Push **Continue** Softkey

4. If you have completed the last employee, push the:

End softkey

CONDOR will finish the Enter command and will return to the A>> prompt.

RETRIEVING YOUR DATABASE INFORMATION

Now, let's look at a listing of the data you have entered.

1. After the prompt A>> enter the command:

LIST EMPLOYEE BY NAME WAGE HIRE.DATE

CONDOR responds with a listing of your database on the screen.

Now, let's sort it by the hire date.

2. After the prompt A>> enter the command:

SORT EMPLOYEE BY HIRE.DATE

Now, list it again.

LIST EMPLOYEE BY NAME WAGE HIRE.DATE

Notice that in this new listing, the database has been sorted by hire.date.

Now suppose we realize that we want to produce departmental reports, but haven't included the data item department on the database. Not to worry.

3. Enter the command:

REORG EMPLOYEE

CONDOR puts the employee database input form on the screen for you to add the new item.

4. In the same way that you created the original form, move the cursor to the place you want the new item to appear, say two lines below Hire.date, and type:

[Dept]:

Now that you have completed the form, push the **End** softkey.

5. Condor will ask you to enter the data definition of the new data item. Since our department codes are alphanumeric, after the item name, type:

Dept, **AN <RETURN>**

CONDOR asks if the definitions are OK (Y/N)?

Y

6. Now, you need to put the appropriate department codes into the database by updating it. Enter the command:

UPDATE EMPLOYEE WHERE DEPT = " "

CONDOR will put the first record on the screen. Notice the new Dept field. Push the **Revise** softkey to update this record. The cursor will move to the start of the first blank. Use the return key to get down to the dept blank.

7. Now enter the dapartment code from the table below. When you complete the final blank on the form, the softkeys will change. Press the **Continue** softkey to go to the next record to be updated.

NAME	DEPT CODE
Larry	**1000**
Steve	**2000**
David	**2000**
Diane	**3000**
Loraine	**2000**
Neal	**1000**

8. If you have updated all records push the

END softkey

CONDOR will ask you for new search conditions or End <CR>? Press **Return**. CONDOR will return to the A>> prompt.

If there are more records to update, the next record will be displayed, and you must press the Revise softkey to begin updating. Continuing updating by following the above instructions until all records have been updated.

9. Let's get a listing of our updated database. Enter the command:

LIST EMPLOYEE BY NAME WAGE DEPT HIRE.DATE

10. Let's suppose we want to see all the information regarding a single employee. Enter the command:

DISPLAY EMPLOYEE WHERE NAME = DIANE

CONDOR displays the information regarding Diane using the data entry format.

Push Search for **Next** softkey and CONDOR searched for another record with Diane in the name field. Since none is found, it asks for another search condition or End (C/R).

Respond with **<RETURN>**

11. Suppose we want to see who was hired during 1978.

SELECT EMPLOYEE WHERE HIRE.DATE GT 12/31/77 AND HIRE.DATE IS 1/1/79

LIST RESULT BY NAME WAGE DEPT HIRE.DATE

Now, let's produce that department report we were thinking about. What we would like is a summary report which would give us a count of employees in each department as well as the total wages by department.

12. Enter the command:

SORT EMPLOYEE BY DEPT

TABULATE EMPLOYEE BY DEPT AND COMPUTE TOTAL WAGE

13. Now, suppose we want to produce a detailed report but also to summarize the wages by department. Enter the commands:

LIST EMPLOYEE BY NAME HIRE.DATE AND COMPUTE TOTAL WAGE SUBTOTAL USING DEPT

Keep typing even when the cursor wraps to the next line.

14. In this demo we have produced all the reports on the display. However, we could have sent them to the printer just as easily. If the system you are using has a printer, try this command to see:

PRINT EMPLOYEE BY NAME HIRE.DATE AND COMPUTE TOTAL WAGE SUBTOTAL USING DEPT

****

THE ADVANCED DEMO

****

HOW THE ADVANCED DEMO IS ORGANIZED

The advanced demo is designed to run itself via help screens and command procedures. CONDOR contains the ability to prepare a sequence of commends in a command procedure file (similar to SUBMIT in CP/M). These procedures can then be run either through a RUN command, or via a help screen. A help screen is a menu which is created in the screen. This menu links the command procedure to an operator oriented list of procedures. The operator initiates a run procedure by selecting from the menu.

The appendix contains a chart showing the organization of these help screens and command procedured. It also contains examples of the help screens as well as listings of the command procedures.

The demo disk also contains three databases and one file which are used in this demo. The definitions for the databases are included in appendix D to the Condor User's Manual

DATABASES:

ORDERS -- orders for the month for a fictitious company

REGIONS -- Regional sales quota information for the company

CUSTOMER -- Customer information for the company

FILE:

SALES -- A sales letter to be used by WORD/125 Mailmerge

The demo posts the orders to the regions database and produces a regional quota performance report. Next, it joins the order and customer databases and produces a customer order report. Then, it posts the orders to the customer database and selects those customers who haven't purchased lately. It puts appropriate information about these selected out on a file for use by WORD/125 Mailmerge. Finally, you can run WORD/125 Mailmerge and produce a sample letter.

You will be amazed at how simple it is to perform these complex data processing tasks using CONDOR DBMS. It took a person with only a little experience about 4 hours to create these command procedures. Imagine how long it would take programming in BASIC on the HP 125 or even COBOL on a mainframe computer.

While this demo is running and the command procedures are being executed, the commands, themselves, appear on the screen. This allows you to see exactly what the commands are, and since CONDOR commands are in an English-like format, they will be easy for you to understand as you are watching them.

Below is a running commentary on the demo which points out the more important features as they are encountered.

COMMENTARY:

STARTING THE DEMO:

```
**********************************************************
*  FIRST MAKE A COPY OF THE DEMONSTRATION FILES DISC     *
*   this disc has a write-protect tab on it which        *
*   prevents the demo from writting any new files        *
**********************************************************
```

Insert Condor 20-2 in the A: drive and the DEMONSTRATION FILE DISC in the B: drive. Start Condor by pushing the **"Condor 20-2"** softkey and wait for the Condor prompt:

A>>

Respond to this prompt by typing:

B: <RETURN>

CONDOR will respond with the prompt:

B>>

To start the demo, type:

RUN DEMO <RETURN>

The demo welcomes you, processes by itself for a few seconds, and then presents the DEMO MAIN MENU.

Since this is the basic menu for the demo, you will proceed sequentially through it from 1 to 4. Therefore, respond to the prompt with:

1 <RETURN>

The demo now proceeds to a secondary help menu to post orders and report quota performance. From this you can see that help screens can point to other help screens as well as command procedures.

Respond to this POST AND REPORT help screen prompt with:

1 <RETURN>

A command procedure called POSTRORD.CMD is initiated which posts the order database to the regions database. It does this by matching the region field on the databases. When it finds a match, it adds the amount in the order database to the amount in the regions database (or "posts it"). It then updates the month to date and year to date amounts and calculates % of quota for each region. Finally, it returns to the POST AND REPORT help screen. Now answer the prompt:

2 <RETURN>

Now the REGRPT.CMD procedure takes over. It asks you if your printer is set up. If it is not, set it up and answer:

Y <RETURN>

Notice that the command procedures can prompt and receive input from the operator. Also, they can branch or make decisions based on the response. You will see more of this right now. The system asks you to choose the number of the field you want your Regional Quota Performance Report sorted on. You can have it sorted on the region (1), % of quota year-to-date (2), or % of quota month-to-date.

Type the number which represents your choice.

Next the system will print a title line for the report, and then after some processing, the report, itself. Finally, the MAIN MENU will be presented. Respond to the prompt by typing:

2 <RETURN>

The CUSTORD.CMD procedure is initiated. It also asks if your printer is set. Ensure that it is set and respond with:

Y <RETURN>

The procedure is then to join the orders database with the customer database. This is done so that we can have detail customer and order information available for reporting. This joined database is sorted by customer (firm) date and order number. A title line for the report is printed out followed by the report itself. Notice on the report that all orders for one customer are subtotaled into one amount for each customer, and that there is a final total amount at the bottom of the report. Notice that this is all done with just one print command. At the end, the procedure returns back to the MAIN MENU. Respond to the prompt with:

3 <RETURN>

The system begins a procedure called MAILLST.cmd. This procedure posts the orders to the customer database. In posting, it adds the amount so that the customer record contains a running record of how much has been ordered. It also replaces the date in the customer record with the order date. Therefore the customer record contains the date of last purchase. Next the procedure selects the customer records for those customers who have not purchased since 1/1/81 or the first of the year (date less than 1/1/81).

Then from this file of selected records, the system creates (projects) a file of selected data items that it will need for the WORD/125 Mail merge program. It them creates that file for Mailmerge with a WRITE command with an [M] option. This option writes the file in exactly the right format to be used by Mailmerge. From this you can see that CONDOR is a great way to create, maintain, sort and select records for Mailmerge applications. In addition, CONDOR has other file reading and writing options which read and create files compatible with GRAPHICS/125, BASIC/125, and other applications. As you can see, CONDOR was designed to manage databases which can be used by other HP 125 applications.

After writing the file, it returns to the MAIN MENU. Respond to the prompt with:

4 <RETURN>

The system returns you to the HP 125 Welcome Menu. At this point, you want to insert the WORD/125 system disk in drive A:.

Follow the normal start-up procedure to load WORD/125. At the prompt: Which mode?

Press the **Command Mode** soft key.

Press the **Macro Feature** soft key.

Press the **Mail Merge** soft key.

Respond to the question about whether you want to change the configuration with:

Y <RETURN>

Change the configuration menu as follows:

How many lines?	**9**
0 for single sheet, 1 for continuous	**0**
What is filename of letter?	**B:SALE**
What is filename of customer file?	**B:CUST**

Prepare your printer to print Mailmerged Sales letters.

Proceed with the Mailmerge program. It asks you whether you want to save a copy of the configuration. Respond with:

N <RETURN>

Now the Sales letters should print one at a time. Notice that the customer information has been merged into them.

That concludes the demonstration. We hope it gives you an indication of the power, flexibility, and ease of use of the CONDOR DBMS on the HP 125 Computer.

There are two additional databases on the demo disc which are not used in the demo. They are the PRODUCTS and CARDFILE databases. Their definitions are also contained in appendix D of your CONDOR User's Manual.

You are welcome to use these databases on your own to experiment with commands. Remember, however, that changing them may ruin their usefulness for demonstration purposes. Consequently, it is a good idea to duplicate them with a new name and use these duplicated files in your experimenting. This should be done in CONDOR with the following commands:

```
copy tempord = orders
copy tempreg = regions
copy tempprod = products
copy tempcust = customers
```

Then use these temp files for your experimenting.

****

REPORT WRITER DEMO

****

THE SITUATION:

You want to create a formatted report for the information contained in your ORDERS database. This report will list orders by regions while specifying the date of each order, the customer number, order number, product number, unit price, and quantity. The report will calculate the amount for each order and will derive subtotal amounts by region as well as calculate a grand total for all regions.

CONVENTIONS:

This portion of the demonstration will have less comments than have been found in earlier sections because the Report Writer prompts are more self explanatory. There are cases, however, that require a short explanation. Taking these specifics into consideration, the following conventions will be followed for the Report Writer self demonstration:

1. All information to be supplied **by you** are highlighted in bold characters.

2. Report Writer prompts are printed without bold characters.

3. Instructional comments are displayed with bold characters surrounded by parentheses.

CREATE A NEW REPORT:

1. Place the Condor 20-3 in drive A, and the demo data files work disc in drive B. (If another drive is used in place of B, substitute that letter throughout the example.)

2. Enter Condor 20-3 by pressing the **"Condor 20-3"** softkey.

3. Following the A>> prompt, type **B:**

4. Following the B>> prompt, type the command:

REPORT ORDERS

The following menu will be displayed:

```
CONDOR SERIES 20 RDBMS REPORT WRITER
        Version 1.xx**xx

        Choose option

Create New Report Specification          (C)
Describe existing Report Specification   (D)
Revise existing Report Specification     (R)
Print or Display Database Report         (P)

Enter option or End <C/R>:C
```

Busy

Do you wish to use the short method (Y/N)?**Y**

Do you with to create a new report format (Y/N)?**Y**

(The screen will clear. Duplicate the form in Fig. 1 and press the End softkey.)

```
                CUSTOMER ORDERS REPORT
                    (By Region)                          PAGE    $PAGE

        Customer   Order     Product       Unit                     Order
 Date    Number    Number    Number        Price     Quantity       Amount
-------- --------  --------  -------      -------    --------      -------
REGION:  [REGION]
[DATE]   [CUST.NO] [ORDER.NO] [PRODUCT.NO] [UNIT.PRICE] [QUANTITY] [TOTAL]
       REGION TOTAL                                                [TOTAL]
                        GRAND TOTAL                              [TOTAL]
```

(Fig. 1)

```
Do you wish to use the short method (Y/N)?Y
```

(Report Writer gives you a second chance to specify or not specify the short method after you have created a new report format or revised an existing one.)

```
>1.      CUSTOMER ORDERS REPORT

Describe when this line is to be printed:

   First Page only          (FP)
   Last Page only           (LP)
   Every Page Heading       (PH)
   Once Every Line          (EL)
   On Break-Before Section  (BS)
   On Break-After Section   (AS)

   Enter code              [ PH ]: <RETURN>
```

(The above line is a page heading. It is to be printed at the top of every page.)

```
 OK (Y/N)? Y
```

(If you incorrectly specified when the line is to be printed, you may enter "N" to any of the "OK (Y/N)" prompts and alter your response.)

```
>2.      (By Region)            PAGE  $PAGE

Describe when this line is to be printed:

   First Page only          (FP)
   Last Page only           (LP)
   Every Page Heading       (PH)
   Once Every Line          (EL)
   On Break-Before Section  (BS)
   On Break-After Section   (AS)

   Enter code              [ PH ]: <RETURN>

 OK (Y/N)? Y
```

```
>3.     Customer     Order     Product     Unit      Order

Describe when this line is to be printed:

   First Page only          (FP)
   Last Page only           (LP)
   Every Page Heading       (PH)
   Once Every Line          (EL)
   On Break-Before Section  (BS)
   On Break-After Section   (AS)

   Enter code              [ PH ]: <RETURN>

 OK (Y/N)? Y

>4.Date     Number    Number    Number     Proce     Quanitity     Amount

Describe when this line is to be printed:

   First Page only          (FP)
   Last Page only           (LP)
   Every Page Heading       (PH)
   Once Every Line          (EL)
   On Break-Before Section  (BS)
   On Break-After Section   (AS)

   Enter code              [ PH ]: <RETURN>


 OK (Y/N)? Y

>5. -------- -------- -------- -------    -------   --------   ----------

Describe when this line is to be printed:

   First Page only          (FP)
   Last Page only           (LP)
   Every Page Heading       (PH)
   Once Every Line          (EL)
   On Break-Before Section  (BS)
   On Break-After Section   (AS)

   Enter code              [ PH ]:<RETURN>

 OK (Y/N)? Y
```

```
>6.  REGION:    [REGION]

Describe when this line is to be printed:

   First Page only          (FP)
   Last Page only           (LP)
   Every Page Heading       (PH)
   Once Every Line          (EL)
   On Break-Before Section  (BS)
   On Break-After Section   (AS)

   Enter code              [ PH ]:BS   <RETURN>

        (The above line is to be printed before every section.)

 OK (Y/N)? Y
Which data-item is to cause a section break to occur:REGION
Enter any other or <C/R>:  <RETURN>


>7. [DATE] [CUST.NO] [ORDER.NO] [PRODUCT.NO] [UNIT.PRICE] [QUANTITY] [TOTAL]

Describe when this line is to be printed:

   First Page only          (FP)
   Last Page only           (LP)
   Every Page Heading       (PH)
   Once Every Line          (EL)
   On Break-Before Section  (BS)
   On Break-After Section   (AS)

   Enter code              [ BS ]:EL  <RETURN>

 OK (Y/N)? Y

Item 7:[TOTAL]

Describe Type of Variable:

  Numeric    (N)
  Dollar     ($)
  Date       (J)

Enter Code [ N ]: $ <RETURN>
TOTAL=UNIT.PRICE*QUANTITY

Define printing width - Enter column size [ 5 ]:10

        (Above is the formula value for TOTAL.  TOTAL is the
        Total Value of the order specified.  If you press
        <RETURN> without supplying the formula for this or any
        other computed item, Report Writer asks you to enter a
        calculation expression.)
```

```
>8.  REGION TOTAL          [TOTAL]

Describe when this line is to be printed:

   First Page only          (FP)
   Last Page only           (LP)
   Every Page Heading       (PH)
   Once Every Line          (EL)
   On Break-Before Section  (BS)
   On Break-After Section   (AS)

   Enter code              [ EL ]:AS  <RETURN>

 OK (Y/N)? Y

Which data-item is to cause a section break to occur:REGION
Enter any other or <C/R>: <RETURN>


Item 3:[TOTAL]
Define printing width - Enter column size [ 5 ]:12

Describe Value to Print:

  Average value      (AVG)
  Maximum value      (MAX)
  Minimum value      (MIN)
  Subtotal           (SUB)
  Accumulated total  (TOT)
  Last value read    (VAL)

  Enter code        [ SUB ]: <RETURN>


>9.   GRAND TOTAL          [TOTAL]

Describe when this line is to be printed:

   First Page only          (FP)
   Last Page only           (LP)
   Every Page Heading       (PH)
   Once Every Line          (EL)
   On Break-Before Section  (BS)
   On Break-After Section   (AS)

   Enter code              [ AS ]:LP  <RETURN>

 OK (Y/N)? Y
```

```
Item 3:[TOTAL]
Define printing width - Enter column size [ 5 ]:14

Describe Value to Print:

  Average value      (AVG)
  Maximum value      (MAX)
  Minimum value      (MIN)
  Subtotal           (SUB)
  Accumulated total  (TOT)
  Last value read    (VAL)

  Enter code        [ TOT ]: <RETURN>


Enter name of output report [ORDERS]:<RETURN>
Busy

Do you wish to save the report form created (Y/N)?Y

Enter filename of report form or End <C/R>:ORDERRPT.FRM
```

(This is your report model form. It is advised that you save it, in case the report must be respecified. Always, the name under which you save the form MUST NOT be the same as the database form. This would destroy the database form used for data entry and updating.)

****** YOU HAVE FINISHED CREATING THE REPORT SPECIFICATION ******

Now, anytime you wish to print a report of the data in your database, simply select the [P] (for print) option in the Report Writer menu. But, before you print the ORDERS report, let's revise the specification to include line spacing so as to obtain a clean report format. Notice that the short method of creating a report specification didn't ask you to specify line spacing.

REVISE THE REPORT:

During the revision process, you will be shown information contained in your report specification, line by line. The cursor stops at the end of each line so that you may make revisions. If the information is satisfactory, enter either <RETURN> or the down-cursor key (both provide the same function here). If you wish to revise information on the line, position the cursor over the information to be revised by using the back-cursor key, and

revise the line by typing new information over the item(s) to be changed. Move to the next specification by pressing <RETURN> or the down-cursor key.

If you decide you want to move back up to the previous specification line, use the up-cursor key. When the report items are displayed and you enter the up-cursor key to step back to a previous item, a back slash (\) will appear before the previous specification line is displayed. If you are at the first specification line of a model line and press the up-cursor key, the Report Writer will step back to the start of specifications for the previous model line.

To begin you revision, type **R** when presented the Report Writer menu.

Now, revise your report specification following the above guidelines. Use the report specification at the end of this document as a guide. Make changes **only** where you see circled items.

To ensure that you have properly revised the specification, make a listing of it after you have finished revising it. This is done by typing a **D** (for Describe) at the Report Writer menu.

PRINT THE REPORT:

Printing the report is the last task to perform in this demonstration.

Before you print your report, you should do two things:

1. Make sure you have data in your database.

2. Sort your database by the control items which are used in your report specification to designate section breaks. In the ORDERS report, you will sort the ORDERS database by REGION. If your report appears to have incorrect section changes, this is the probable cause.

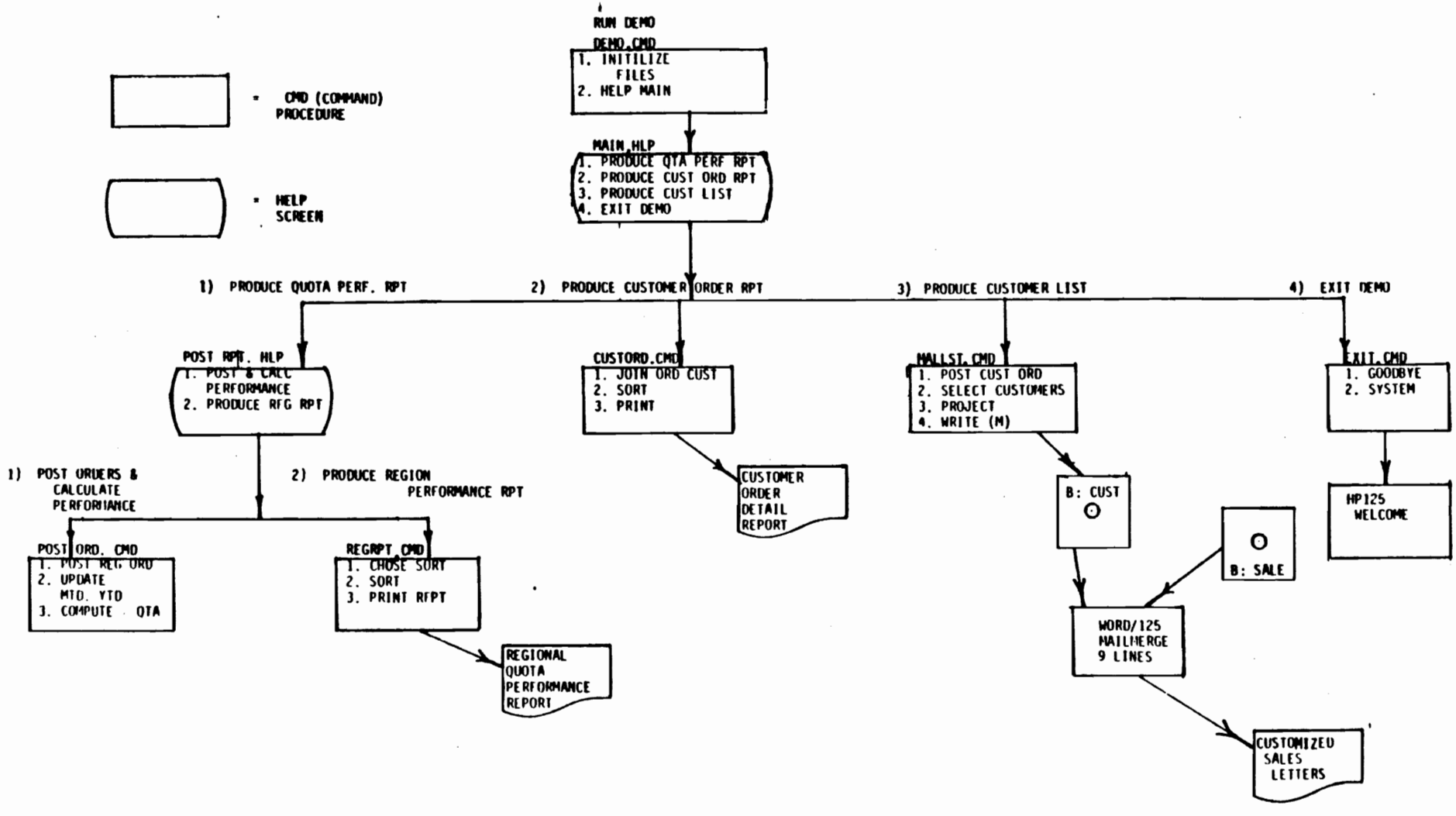
To print the ORDERS report, type **P** when presented the Report Writer menu. If you select all records for output, you will generate the report shown on the next two pages.

CUSTOMER ORDERS REPORT
(By Region)

Date	Customer Number	Order Number	Product Number	Unit Price	Quantity	Order Amount
REGION:	CAN					
04/12/81	000110	45812301	1257A	1158.54	2	2317.08
04/18/81	200153	15698712	79645C	1122.45	1	1122.45
	REGION TOTAL					3439.53
REGION:	MATL					
04/22/81	156700	34625804	5618A	2480.00	3	7440.00
04/25/81	299500	98231215	3540A	3710.23	1	3710.23
	REGION TOTAL					11150.23
REGION:	MTN					
04/08/81	360001	39825101	5682B	873.21	5	4366.05
04/30/81	360001	39878205	1257A	1158.54	1	1158.54
04/18/81	468200	39845605	3540A	3710.23	1	3710.23
	REGION TOTAL					9234.82
REGION:	MWST					
04/19/81	235689	36258508	235C	1897.15	4	7588.60
04/10/81	895623	36258401	19856D	725.02	1	725.02
	REGION TOTAL					8313.62
REGION:	NE					
04/20/81	657123	65723402	3810A	1573.21	3	4719.63
04/29/81	456782	65725608	4644A	1209.01	1	1209.01
	REGION TOTAL					5928.64

CUSTOMER ORDERS REPORT
(By Region)

Date	Customer Number	Order Number	Product Number	Unit Price	Quantity	Order Amount
REGION: NPAC						
04/13/81	238651	48965403	3540A	3710.23	8	29681.84
04/25/81	100805	48966205	1243D	2886.95	1	2886.95
	REGION TOTAL					32568.79
REGION: SOUT						
04/18/81	506800	59872356	3670B	1.05	1	1.05
04/02/81	506800	58735421	14890B	542.05	4	2168.20
	REGION TOTAL					2169.25
REGION: SPAC						
04/15/81	230000	29564804	3560A	50.93	1	50.93
04/09/81	230000	29564804	23981K	2935.45	3	8806.35
	REGION TOTAL					8857.28
	GRAND TOTAL					81662.16


= CMD (COMMAND) PROCEDURE
= HELP SCREEN
RUN DEMO
DEMO.CMD
1. INITILIZE FILES
2. HELP MAIN
MAIN.HLP
1. PRODUCE QTA PERF RPT
2. PRODUCE CUST ORD RPT
3. PRODUCE CUST LIST
4. EXIT DEMO
1) PRODUCE QUOTA PERF. RPT
2) PRODUCE CUSTOMER ORDER RPT
3) PRODUCE CUSTOMER LIST
4) EXIT DEMO
POST RPT. HLP
1. POST & CALC PERFORMANCE
2. PRODUCE RFG RPT
CUSTORD.CMD
1. JOIN ORD CUST
2. SORT
3. PRINT
MAILST.CMD
1. POST CUST ORD
2. SELECT CUSTOMERS
3. PROJECT
4. WRITE (M)
EXIT.CMD
1. GOODBYE
2. SYSTEM
1) POST ORDERS & CALCULATE PERFORMANCE
2) PRODUCE REGION PERFORMANCE RPT
CUSTOMER ORDER DETAIL REPORT
B: CUST
B: SALE
HP125 WELCOME
POST ORD. CMD
1. POST REG ORD
2. UPDATE MTD. YTD
3. COMPUTE QTA
REGRPT CMD
1. CHOSE SORT
2. SORT
3. PRINT RFPT
WORD/125 MAILMERGE 9 LINES
REGIONAL QUOTA PERFORMANCE REPORT
CUSTOMIZED SALES LETTERS

DEMO MAIN MENU

1. Produce Quota Performance Report [help postrpt]

2. Produce Customer Order Report [run custord]

3. Produce List of Customers Who Have Not Ordered Recently for Mailmerge. [run maillst]

4. Exit demo [run exit]

POST AND REPORT

1. Post orders to regions and calculate performance. [run postord]

2. Produce region performance peport. [run regrpt]

```
Attribute summary of Data Base CARDFILE

1.NAME: AN,20,0,20,"ABC                "
2.TITLE: AN,20,0,20,"                  "
3.FIRM: AN,30,0,30,"                   "
4.STREET: AN,30,0,30,"                 "
5.CITY: AN,20,0,20,"                   "
6.STATE: AN,2,0,2,"                  "
7.ZIPCODE:  N,3,-8388607,8388607,"                    "
8.BUS-PHONE: AN,10,0,10,"                "
9.HOME-PHONE: AN,10,0,10,"                "
10.REV-DATE:  J,3,01/01/00,12/31/99,"                  "

Record Size (Bytes) = 149
Total Records = 18
```

```
**********************************************************************
**                                                                  **
**              ***** HP 125 CARDFILE DATABASE *****                **
**                                                                  **
**    [NAME]:          ____________________                         **
**    [TITLE]:         ____________________                         **
**    [FIRM]:          ______________________________               **
**                                                                  **
**    [STREET]:        ______________________________               **
**    [CITY]:          ____________________                         **
**    [STATE]:         __      [ZIPCODE]:   _____                   **
**                                                                  **
**                                                                  **
**    [BUS-PHONE]:     __________                                   **
**    [HOME-PHONE]:    __________       [REV-DATE]:  ________       **
**                                                                  **
**********************************************************************
```

```
Attribute summary of Data Base ORDERS

1.ORDER.NO: AN,8,8,8,"
2.CUST.NO: AN,6,0,6,"
3.PRODUCT.NO: AN,6,0,6,"
4.QUANTITY:  N,2,0,32767,"
5.UNIT.PRICE: $,4,.00,5000.00,"
6.ORDER.TYPE:  N,1,0,99,"01
7.DATE:  J,3,01/01/00,12/31/99,"
8.REGION: AN,4,0,4,"
9.TAX:  $,4,.00,5000.00,"
10.AMOUNT:  $,4,.00,10000.00,"

Record Size (Bytes) = 43
Total Records = 5
```

```
**********************************************************
**                                                      **
**   ORDER FORM:     (Enter Data Below:)                **
**                                                      **
**********************************************************
**                                                      **
**         Enter [ORDER.NO]:          --------          **
**         Enter [CUST.NO]:             ------          **
**                                                      **
**         Enter [PRODUCT.NO]:          ------          **
**         Enter [QUANTITY]:               ___ units    **
**         Enter [UNIT.PRICE]:       $ _______          **
**         Enter [ORDER.TYPE]:             --           **
**         Enter [DATE]:              --------          **
**         Enter [REGION]:                 ____         **
**                                                      **
**********************************************************
**                                                      **
**         Computed [TAX]:           $ _______          **
**                                                      **
**         Computed [AMOUNT]:       $ _________        **
**                                                      **
**********************************************************
```

```
Attribute summary of Data Base REGIONS

1.REGION: AN,4,0,4,"                    "
2.REGION.NAME: AN,12,0,12,"                    "
3.NAME: AN,20,0,20,"                    "
4.ACTUAL.MTD:  $,4,-21474836.47,21474836.47,"                    "
5.ACTUAL.YTD:  $,4,-21474836.47,21474836.47,"                    "
6.QUOTA.MTD:  $,4,-21474836.47,21474836.47,"                    "
7.QUOTA.YTD:  $,4,-21474836.47,21474836.47,"                    "
8.QUOTA%.MTD:  $,3,-83886.07,83886.07,"                    "
9.QUOTA%.YTD:  $,3,-83886.07,83886.07,"                    "
10.AMOUNT:  $,4,-21474836.47,21474836.47,"                    "

Record Size (Bytes) = 63
Total Records = 12
```

```
**********************************************************************
**                                                                  **
**              ***** REGIONS DATABASE ****                         **
**                                                                  **
**  [REGION]:        ____                                          **
**  [REGION.NAME]:   ____________                                  **
**  [NAME]:          ____________________                          **
**                                                                  **
**********************************************************************
**                                                                  **
**  [ACTUAL.MTD]:  __________    [ACTUAL.YTD]:  __________          **
**  [QUOTA.MTD]:   __________    [QUOTA.YTD]:   __________          **
**  [QUOTA%.MTD]:      ______    [QUOTA%.YTD]:      ______          **
**                                                                  **
**  [AMOUNT]:      __________                                      **
**                                                                  **
**********************************************************************
```

```
Attribute summary of Data Base CUSTOMER

1.CUST.NO: AN,6,0,6,"                    "
2.FIRM: AN,30,0,30,"                    "
3.NAME: AN,20,0,20,"                    "
4.STREET: AN,30,0,30,"                    "
5.CITY: AN,20,0,20,"                    "
6.STATE: AN,2,0,2,"                    "
7.ZIP.CODE: AN,5,0,5,"                    "
8.REGION:  A,10,0,10,"                    "
9.OFFICE:  A,10,0,10,"                    "
10.SALES.REP:  A,20,0,20,"                    "
11.AMOUNT:  $,4,-21474836.47,21474836.47,"                    "
12.REV.DATE:  J,3,01/01/00,12/31/99,"                    "

Record Size (Bytes) = 161
Total Records = 0
```

```
**********************************************************************
**                                                                  **
**                *****  CUSTOMER DATABASE  *****                  **
**                                                                  **
**    [CUST.NO]:      ______                                        **
**    [FIRM]:         ------------------------------                **
**    [NAME]:         --------------------                          **
**                                                                  **
**    [STREET]:       ------------------------------                **
**    [CITY]:         --------------------                          **
**    [STATE]:        __      [ZIP.CODE]:   _____                   **
**                                                                  **
**                                                                  **
**    [REGION]:       ----------                                    **
**    [OFFICE]:       ----------                                    **
**    [SALES.REP]:    --------------------                          **
**    [AMOUNT]:       ------------                                  **
**    [REV.DATE]:     --------                                      **
**                                                                  **
**********************************************************************
```

```
Attribute summary of Data Base PRODUCTS

1.PRODUCT.NO: AN,6,0,6,"                    "
2.PRODUCT.LINE: AN,3,0,3,"                    "
3.DESCRIPTION: AN,20,0,20,"                    "
4.UNIT.PRICE:  $,4,-21474836.47,21474836.47,"                    "
5.COST:  $,4,-21474836.47,21474836.47,"                    "
6.QTY.ON.HAND:  N,4,-2147483647,2147483647,"                    "
7.INV.VALUE:  $,4,-21474836.47,21474836.47,"                    "

Record Size (Bytes) = 46
Total Records = 0
```

```
**********************************************************
**                                                      **
**            ***** PRODUCTS DATABASE *****             **
**                                                      **
**       [PRODUCT.NO]:                  ------          **
**       [PRODUCT.LINE]:                   ---          **
**       [DESCRIPTION]:  --------------------           **
**                                                      **
**       [UNIT.PRICE]:              $ --------          **
**                                                      **
**       [COST]:                    $ --------          **
**                                                      **
**       [QTY.ON.HAND]:               --------          **
**                                                      **
**       [INV.VALUE]:             $ ----------          **
**                                                      **
**********************************************************
```

********** REGIONAL QUOTA PERFORMANCE REPORT **********

REGION	NAME	ACTUAL.MTD	QUOTA%.MTD	ACTUAL.YTD	QUOTA%.YTD
MTN	Albert Jones	6260.99	.91	26164.99	.95
SOUT	John VanDaam	2310.24	.92	9688.24	.98
MATL	John Dennis	11874.99	.94	48734.99	.97
ME	Mary Harris	6313.99	.94	22104.99	.81
SPAC	John Anderson	9433.00	.99	35800.00	.94
MWST	Margaret Norman	8853.99	1.01	34874.99	.99
CAN	Paul Thoreau	3842.99	1.02	15482.99	1.01
NPAC	Mary Richards	14202.99	1.13	54822.99	1.09

********** CUSTOMER ORDER DETAIL REPORT **********

FIRM	DATE	ORDER.NO	PRODUCT.NO	AMOUNT
Automated Buggywhips	04/18/81	15698712	79645C	1195.40
Subtotal				1195.40
Cripple Creek Exploration	04/08/81	39825101	5682B	4649.84
Cripple Creek Exploration	04/30/81	39878205	1257A	1233.84
Subtotal				5883.68
Donner Catering Service	04/13/81	48965403	3540A	11128.39
Subtotal				11128.39
Extravaganza Productions	04/09/81	29564804	23981K	9379.76
Extravaganza Productions	04/15/81	29564804	3560A	54.24
Subtotal				9433.00
Gloucster Lobsters	04/20/81	65723402	3810A	5026.40
Subtotal				5026.40
Hatteras Hot Tubs	04/22/81	34625804	5618A	7923.60
Subtotal				7923.60
Kennedy Space Center	04/02/81	58735421	14890B	2309.13
Kennedy Space Center	04/18/81	59872356	3670B	1.11
Subtotal				2310.24
O'Tooles Hardware	04/29/81	65725608	4644A	1287.59
Subtotal				1287.59
Peoples Lumber Co.	04/19/81	36258508	235C	8081.85
Subtotal				8081.85
Pike's Peak Diving Supply	04/18/81	39845605	3540A	377.31
Subtotal				377.31
Provinces Software, Ltd	04/12/81	45812301	1257A	2647.59
Subtotal				2647.59
Purdue University	04/10/81	36258401	19856D	772.14
Subtotal				772.14
Salazer Jogging Club	04/25/81	48966205	1243D	3074.60
Subtotal				3074.60
Watergate Plumbing Co.	04/25/81	98231215	3540A	3951.39
Subtotal				3951.39
Total				63093.18

April 14, 1981

Software Products, Inc.
1587 El Camino Real
Mt. View, CA 94086

Dear Norman Peters:

In reviewing our records, we have noticed that the date of your last order with us was 08/24/80. We hope that everything was satisfactory at that time.

We also want to encourage you to consider us when making future purchases of office equipment. In fact, we are currently having a sale on all items. Our sales representative, Lisa Roberts, will be contacting you in the next week to see if there is any way we can assist you.

Regards,

Steve Owen
General Manager

SO/gt

```
>:      DEMO.CMD      . COPIES THE PERMANENT FILES INTO TEMPORARY FILES AND CALL
 HELP MENU
>:

>*msg

>*msg

>*msg

>*msg WELCOME TO A DEMONSTRATION OF THE CONDOR DBMS ON THE HP 125 COMPUTER

>*msg

>*msg

>*msg

>set echo off

>compute regions st actual.ytd = actual.ytd - actual.mtd

>change regions st amount = 0.00

>help main

>:

>*end

>

>
```

```
;       POSTORD.CMD     Posts orders to regions and calculates performance.
>;
>;
>;      1. Post orders to regions
>post regions orders matching region add amount
>;
>;      2. Update ytd and mtd amounts ans calculate performance.
>change regions st actual.mtd = @amount
>compute regions st actual.ytd = actual.ytd + actual.mtd
>compute regions st quota%.mtd = actual.mtd * 100 / quota.mtd
>compute regions st quota%.ytd = actual.ytd * 100 / quota.ytd
>;
>help postrpt
>end
>
>
```

```
>;      REGRPT.CMD      Produce the regional performance report
>;
>*msg
>*msg Is your printer set up for printing? (Y or N)
>*get $1
>*if $1 eq y or $1 eq Y
>; if printer is not ready go to the end
>*msg
>*msg
>;
>;       1. Produce the region performance report.
>title " ******************  REGIONAL  QUOTA  PERFORMANCE  REPORT    **********
******"
>title
>*msg Choose the number of the field you want to sort on.
>*msg
>*msg            1) Region
>*msg            2) % of quota ytd
>*msg            3) % of quota mtd
>*msg
>*msg
>*get $1
>*if $1 = 1
>sort regions by region
>*endif
>*if $1 = 2
>sort regions by quota%.ytd
>*endif
>*if $1 = 3
>sort regions by quota%.mtd
>*endif
```

```
>print regions by region name actual.mtd  quota%.mtd actual.ytd quota%.ytd
>;
>*endif
>;endif if the printer is not set up
>help main
>*end
>
>
```

```
>;       CUSTORD.CMD      JOINS ORDERS AND CUSTOMERS AND PRODUCES CUSTOMER  ORDE
N  REPORT
>;

>;

>;

>*msg

>*msg Is your printer set up for printing? (Y or N)

>*get $1

>*if $1 EQ Y or $1 EQ y

>*msg

>*msg

>join orders customer matching cust.no

>;

>sort result by firm date order.no

>;

>title "  ******************* CUSTOMER ORDER DETAIL REPORT ***********************
********"
>print result by firm date order.no product.no amount @ total amount subtot fir

>;

>*endif

>; endif if the printer is not set up

>help main

>*end

>

 >
```

```
>;      MAILLST.CMD     CREATES A MAIL LIST FILE OF CUSTOMERS WHO HAVE NOTNPURC
SED LATELY
>;
>;
>post customer orders matching cust.no replace date  add amount
>select customer where date lt 1/1/81
>project result by name street city state zip.code firm date sales.rep
>write result cust [m]
>help main
>*end
>
>
```

```
>:       EXIT.CMD        EXITS CONDOR DBMS AND RETURNS TO CP/M

>:

>:

>*msg

>*msg

>*msg

>*msg THANK YOU FOR PARTICIPATING IN THIS DEMONSTRATION OF CONDOR DBMS ON THE
125
>*MSG

>*msg

>*msg

>set echo off

>a:

>system

>welcome

>*end

>
```

Report Specification for ORDERS

Page Format

Physl Lines	Left Margin	Right Margin	Top Margin	Botton Margin
66	1	80	1	60

>1.CUSTOMER ORDERS REPORT

Print on
(PH) - Every Page Heading

Line # Before	Line # After	Space Before	Space After	Look Ahead
1	0	0	0	0

Item	Type	Format	Column	Length	Print
CUSTOMER	TEXT	SD	19	8	VAL
ORDERS	TEXT	SD	28	6	VAL
REPORT	TEXT	SD	35	6	VAL

>2 (By Region) PAGE $PAGE

rrint on
(PH) - Every Page Heading

Line # Before	Line # After	Space Before	Space After	Look Ahead
0	0	0	2	0

Item	Type	Format	Column	Length	Print
(By	TEXT	SD	24	3	VAL
Region)	TEXT	SD	28	7	VAL
PAGE	TEXT	SD	58	4	VAL
$PAGE	TEXT	SD	65	5	VAL

>3.Customer Order Product Unit Order

Print on
(PH) - Every Page Heading

Line # Before	Line # After	Space Before	Space After	Look Ahead
0	0	1	0	0

Item	Type	Format	Column	Length	Print
tomer	TEXT	SD	10	8	VAL
Order	TEXT	SD	21	5	VAL
Product	TEXT	SD	31	7	VAL
Unit	TEXT	SD	45	4	VAL
Order	TEXT	SD	69	5	VAL

```
>4.Date Number Number Number Price Quantity Amount

Print on
(PH) - Every Page Heading

    Line #  Line #  Space    Space    Look
    Before  After   Before   After    Ahead

       0       0       0        0        0

 Item                    Type  Format     Column  Length  Print
 Date                    TEXT  SD             3       4    VAL
 Number                  TEXT  SD            11       6    VAL
 Number                  TEXT  SD            21       6    VAL
 Number                  TEXT  SD            31       6    VAL
 Price                   TEXT  SD            45       5    VAL
 Quantity                TEXT  SD            55       8    VAL
 Amount                  TEXT  SD            69       6    VAL

>5.-------- -------- -------- ------- ------- -------- --------

Print on
(PH) - Every Page Heading

    Line #  Line #  Space    Space    Look
    Before  After   Before   After    Ahead

       0       0       0        2        0

 Item                    Type  Format     Column  Length  Print
 --------                TEXT  SD             1       8    VAL
 --------                TEXT  SD            10       8    VAL
 --------                TEXT  SD            20       8    VAL
 -------                 TEXT  SD            31       7    VAL
 -------                 TEXT  SD            44       7    VAL
 --------                TEXT  SD            55       8    VAL
 --------                TEXT  SD            68       8    VAL

>6.REGION: [REGION]

Print on
(BS) - Break Before Section
Control Items
REGION

    Line #  Line #  Space    Space    Look
    Before  After   Before   After    Ahead

       0       0       2        1        0

 Item                    Type  Format     Column  Length  Print
 REGION:                 TEXT  SD             1       7    VAL
 REGION                  DATA  SD            10       4    VAL
```

>7.[DATE] [CUST.NO] [ORDER.NO] [PRODUCT.NO] [UNIT.PRICE] [QUANTITY] [TOTAL]

nt on
EL) - Every Line

Line # Before	Line # After	Space Before	Space After	Look Ahead
0	0	0	0	0

Item	Type	Format	Column	Length	Print
DATE	DATA	SD	1	8	VAL
CUST.NO	DATA	SD	10	6	VAL
ORDER.NO	DATA	SD	20	8	VAL
PRODUCT.NO	DATA	SD	31	6	VAL
UNIT.PRICE	DATA	SD	44	7	VAL
QUANTITY	DATA	SD	57	3	VAL
*TOTAL	DATA	SD	68	10	VAL

>8.REGION TOTAL [TOTAL]

Print on
(AS) - Break After Section
Control Items
REGION

Line # Before	Line # After	Space Before	Space After	Look Ahead
0	0	2	1	0

Item	Type	Format	Column	Length	Print
REGION	TEXT	SD	9	6	VAL
TOTAL	TEXT	SD	16	5	VAL
*TOTAL	DATA	SD	66	12	SUB

>9.GRAND TOTAL [TOTAL]

Print on
(LP) - Last Page Only

Line # Before	Line # After	Space Before	Space After	Look Ahead
0	0	4	0	0

Item	Type	Format	Column	Length	Print
GRAND	TEXT	SD	25	5	VAL
TOTAL	TEXT	SD	31	5	VAL
*TOTAL	DATA	SD	64	14	TOT

* COMPUTED DATA-ITEMS

TOTAL=UNIT.PRICE*QUANTITY

one.