Review 5

Your RPG program uses the display file, CUSTDF with the following attributes:

RECORD1

|  |
| --- |
| Customer Information MM/DD/YY  hh:mm:ss  Customer Number: 666-666-666 UUUUUUUUUU  Customer Name: OOOOOOOOOOOOOOOOOOOOOOOOOOOO  Amount Owing: 66,666.66-  F3=Exit |

|  |  |  |  |
| --- | --- | --- | --- |
| Field/Constant | Definition | Indicator used | Purpose of Indicator |
| MM/DD/YY | system constant |  |  |
| hh:mm:ss | system constant |  |  |
| Customer Number |  |  |  |
| Custno | ~~9S 0~~ 10A |  |  |
| UUUUUUUUUU | system constant |  |  |
| Customer Name |  |  |  |
| cname | 30A |  |  |
| Amount Owing |  |  |  |
| Amtowe | 6S 2 | \*IN80 | Reverse Image |
| F3=Exit | CA03 | \*in03 |  |

RECORD2

|  |  |  |  |
| --- | --- | --- | --- |
| Customer Totals MM/DD/YY  hh:mm:ss  Number of Customers: 6,666- UUUUUUUUUU    Total Account Balance: 6,666,666.66- | | | |
| Field/Constant | Definition | Indicator used | Purpose of Indicator |
| HH/DD/YY | system constant |  |  |
| hh:mm:ss | system constant |  |  |
| Number of Customers |  |  |  |
| cnum | 4S 0 |  |  |
| UUUUUUUUUU | system constant |  |  |
| Total Account Balance |  |  |  |
| totbal | 9S 2 |  |  |

Your program uses the physical file, CUSTPF which has the following layout:

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Type | Size | Description |
| ccode | Alphanumeric | 10 | Customer Code – uniquely identifies the customer |
| cfirst | Alphanumeric | 10 | Customer First Name |
| cmiddle | Alphanumeric | 1 | Customer Middle Initial |
| clast | Alphanumeric | 15 | Customer Last Name |
| actbal | Packed Numeric | 6, 2 | Account Balance – what the customer owes |

Write an RPG program that displays information from the customer file using the display file RECORD1, one record at a time. When the end of file is reached, or F3 is pressed, RECORD2 should be displayed with the total number of customers are their account balances read. The cname field is made up of the cfirst, cmiddle and clast fields.

Enter the code for the display file, file description:

File File End of File

Filename Type Designation File Addition

\_\_\_\_\_\_\_\_\_\_ \_ \_ \_ \_

Sequence File Limits Record

Format Processing Address Type Device

\_ \_ \_ \_ \_\_\_\_\_\_

Keywords Comment

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Enter the code for the physical file, file description:

File File End of File

Filename Type Designation File Addition

\_\_\_\_\_\_\_\_\_\_ \_ \_ \_ \_

Sequence File Limits Record

Format Processing Address Type Device

\_ \_ \_ \_ \_\_\_\_\_\_

Keywords Comment

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

/free

**CL commands and Syntax:**

|  |  |  |  |
| --- | --- | --- | --- |
| Command | Parameter keyword(s) | Command | Parameter keyword(s) |
| ADDLIBLE | LIB POSITION | RCVF | DEV RCDFMT OPNID WAIT |
| CALL | PGM PARM | RMVLIBLE | LIB |
| CALLPRC | PRC PARM RTNVAL | RTVJOBA | DATE USER |
| CHGCURLIB | CURLIB | RTVSYSVAL | SYSVAL RTNVAR |
| CHGLIBL | LIBL CURLIB | RTVUSRPRF | RTNUSRPRF TEXT MAXSTG STGUSED PWDEXPITV OUTQ OUTQLIB INLPGM |
| CHGVAR | VAR VALUE | RUNQRY | QRY QRYFILE OUTTYPE  OUTFORM RCDSLT |
| DCL | VAR TYPE LEN VALUE | RVKOBJAUT | OBJ OBJTYPE ASPDEV  USER AUT AUTL |
| DCLF | FILE RCDFMT OPNID | SELECT |  |
| DO |  | SNDMSG | MSG TOUSR |
| DOFOR | VAR FROM TO BY | SNDUSRMSG | MSGRPY |
| DOUNTIL | COND | SELECT |  |
| DOWHILE | COND | SNDMSG | MSG TOUSR |
| DSPMSG |  | SNDPGMMSG | MSG |
| DSPSPLF | SPLNBR(\*LAST) | SNDRCVF | DEV RCDFMT OPNID WAIT |
| EDTOBJAUT | OBJ OBJTYPE ASPDEV | SNDUSRMSG | MSG MSGID MSGF MSGDTA VALUES MSGTYPE  TOMSGQ TOUSR MSGRPY |
| EDTLIBL |  | WHEN | COND THEN |
| ELSE | CMD | WRKOUTQ | OUTQ |
| ENDDO |  | WRKSPLF |  |
| ENDPGM |  |  |  |
| ENDSELECT |  |  |  |
| GOTO | CMDLBL | String Handling |  |
| GRTOBJAUT | OBJ OBJTYPE ASPDEV  USER AUT AUTL REFOBJ REFOBJTYPE REFASPDEV  REPLACE | %SST(&FIELDA offset length)  &STRINGA \*CAT &STRINGB  &STRINGA \*BCAT &STRINGB  &STRINGA \*TCAT &STRINGB |  |
| IF | COND THEN | Indicators | &IN03 |
| MONMSG | MSGID CMPDTA EXEC |  |  |
| PGM | PARM |  |  |
| OTHERWISE | CMD |  |  |
| OVRDBF | FILE TOFILE LVLCHK |  |  |
| OVRPRTF | FILE SPLFNAME |  |  |

**RPG Verbs, Functions and Special Values**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| RPG | Attribute | RPG | Attribute | RPG | Attribute |
| %EOF | File Name | \*ENTRY |  | RENAME(recordformat:newformat) | |
| DOU | Condition | PLIST |  |  |  |
| DOW | Condition | PARM |  | %TRIMR | fieldname |
| ENDDO |  | \*IN03 |  |  |  |
| ENDIF |  | EXSR |  |  |  |
| ENDSL |  | BEGSR |  |  |  |
| EXFMT | Record name | ENDSR |  |  |  |
| IF | Condition | \*INLR = \*ON |  |  |  |
| OTHER |  | OFLIND(\*INOF) |  |  |  |
| READ | File Name | WRITE | Record name |  |  |
| SELECT |  | WHEN | Condition |  |  |