## Printing a report.

It is quite often that a programmers will be asked to print data from a file. This can be done with a basic simple COBOL program to read one input file and output a file to be printed.

## INPUT: DD DSN=SHARE.GET433.STUDENT.DATA(CBL1),DISP=SHR

* Name 1 thru 20 PIC X(20)
* Address 21 thru 40 PIC X(20)
* Social Security No 41thru 49 PIC 9(9)
* Credits 50 to 51 PIC 99
* Sequential zOS file, 80 bytes per record
* DISP=SHR - means all can use as for input

**PROCESS:**

* **Create a COBOL base program in your source library**
* **Define the INPUT (SELECT, FD, OPEN, READ, CLOSE)**
* **Define the OUTPUT (SELECT, FD, OPEN, WRITE, CLOSE)**
* **Create the header information (defined in the WORKING-STORAGE SECTION your program. This will be a picture in WORKING-STORAGE of the lines to be used for the heading portion of the program.**
* **This will be written to the output file after the output file is opened.**
* **Create the working storage area for the detail line - to be used for the report as shown. Each time you read a record on the input file, populate and write a detail line (one for each input record).**
* **Write the necessary PROCEDURE DIVISION statements to read through all of the input file. For each record populate the output record and write the record to the output print file.**
* **Count the number of input records and the number of output records.**
* **When you have reached the end of the input file, close the files, display the record count and end the program.**
* **Create a JCL member in your JCL Library for this lab exercise.**
* **Make the appropriate changes to the JCL based on the specifications for the program.**
* **Execute your program and check the results. Debug if necessary. Repeat until your program works as per the specifications.**
* **Take a screen shot of your output file and place it in Blackboard.**

**OUTPUT:**

**See the attached printer spacing chart.**

**//SYSUT2 DD DSN=SUS00nn.GET433.LAB3.OUTPUT,**

**// DISP=(NEW,CATLG,DELETE),**

**// DCB=(BLKSIZE=0,LRECL=133,RECFM=FB),**

**// SPACE=(CYL,(1,1),RLSE),**

**// UNIT=SYSDA**