

CIS352 Intro to Enterprise Computing

Chapter 3 Assignment

- Also, create a **new JCL file** named **JCLRPT2**
 - use the same input file but the output file should be named RPT2000
 - Change your both your **DD Name** and **Output Dataset** to **RPT2000**

```
//COBOL.SYSIN DD DISP=SHR,DSN=KC02606.CIS352.COBO(RPT2000)
//GO.CUSTMAST DD DISP=SHR,DSN=KC02606.CIS352.DATA2(CUSTMAST)
//GO.RPT2000 DD DISP=OLD,DSN=KC02606.CIS352.DATA2(RPT2000)
```
 - JCL Helpful Info:
 - COBOL & GO are **Step Names**
 - CUSTMAST and RPT2000 are **DD Names**. This is the **Data Definition name**, which acts as the bridge between your JCL and your actual COBOL program.

DISP Type	Primary Use Case	Will it Update or Replace the file?
NEW	Creating a brand-new dataset that does not exist yet on the mainframe.	No. If the file already exists, the job will fail with a "duplicate dataset" error.
OLD	Gaining exclusive access to an existing file so no one else can touch it while your program runs.	Yes, Replaces. If your COBOL program opens the file for OUTPUT , it will start writing from the very beginning, overwriting existing data.
SHR	Reading an existing file while allowing other users or jobs to read it at the exact same time .	No (Generally). It is meant for read-only access. Note: You technically can update a file in SHR mode , but it is dangerous and can cause severe data corruption since there is no lock.
MOD	Adding new data to the very bottom of an existing file without deleting what is already there.	Updates (Appends). It preserves the existing data and writes new records at the end . (If the file doesn't exist yet, MOD acts just like NEW and creates it).

- Create a **new COBOL program** named **RPT2000** using RPT1000's code. Modify the report to produce the output example below.
 - Change both parts of your FILE-CONTROL to use RPT2000 instead of SALESRPT for both the DD Name (**external JCL DD name**) and the File Section Name (**internal COBOL file name**)

```
FILE-CONTROL.
  SELECT INPUT-CUSTMAST ASSIGN TO CUSTMAST.
  SELECT OUTPUT-RPT2000 ASSIGN TO RPT2000.

DATA DIVISION.

FILE SECTION.

FD INPUT-CUSTMAST
RECORDING MODE IS F
LABEL RECORDS ARE STANDARD
RECORD CONTAINS 130 CHARACTERS
BLOCK CONTAINS 130 CHARACTERS.

01 CUSTOMER-MASTER-RECORD.
  05 CM-BRANCH-NUMBER      PIC 9(1).
  05 CM-SELLER-REP-NUMBER  PIC 9(2).
  05 CM-CUSTOMER-NUMBER   PIC 9(5).
  05 CM-CUSTOMER-NAME     PIC X(20).
  05 CM-SALES-THIS-YTD    PIC S9(5)V9(2).
  05 CM-SALES-LAST-YTD   PIC S9(5)V9(2).
  05 FILLER               PIC X(97).

FD OUTPUT-RPT2000
RECORDING MODE IS F
LABEL RECORDS ARE STANDARD
RECORD CONTAINS 130 CHARACTERS
BLOCK CONTAINS 130 CHARACTERS.

01 PRINT-AREA      PIC X(130).
```

- You can find all the code for the CHANGE AMOUNT and CHANGE PERCENT columns in the PowerPoint.
- Must contain a standard program header including author name(s)
- Must use proper naming conventions for all **new** data items. For example:
 - GRAND-TOTAL-LINE-2.
 - HEADING-LINE-5.
- Must use proper alignment for all PIC and VALUE clauses
- When necessary, add blank lines in the program to make code more readable (you might even want to do this for existing code).
- This is how you can auto-fill a dash line's value: **05 FILLER PIC X(6) VALUE ALL '-'**.

YEAR-TO-DATE SALES REPORT				PAGE: 1			
DATE: 02/18/2026	TIME: 20:17	RPT2000					
BRANCH NUM	SALES REP	CUST NUM	CUSTOMER NAME	SALES THIS YTD	SALES LAST YTD	CHANGE AMOUNT	CHANGE PERCENT
12	12	11111	INFORMATION BUILDERS	1,234.56	1,111.11	123.45	11.1
12	12	12345	CAREER TRAINING CTR	12,345.67	22,222.22	9,876.55-	44.4-
22	10	22222	HOMELITE TEXTRON CO	34,545.00	0.00	34,545.00	999.9
22	14	34567	NEAS MEMBER BENEFITS	111.11	0.00	111.11	999.9
22	14	55555	PILOT LIFE INS. CO.	10,000.00	1,000.00	9,000.00	900.0
34	10	00111	DAUPHIN DEPOSIT BANK	14,099.00	19,930.00	5,831.00-	29.3-
34	10	54321	AIRCRAFT OWNERS ASSC	5,426.12	40,420.00	34,993.88-	86.6-
34	17	33333	NORFOLK CORP	6,396.35	4,462.88	1,933.47	43.3
47	11	12121	GENERAL SERVICES CO.	11,444.00	11,059.56	384.44	3.5
47	11	24680	INFO MANAGEMENT CO.	17,481.45	11,892.47	5,588.98	47.0
47	21	99999	DOLLAR SAVINGS BANK	5,059.00	4,621.95	437.05	9.5
47	21	76543	NATL MUSIC CORP.	2,383.46	4,435.26	2,051.80-	46.3-
				120,525.72	121,155.45	629.73-	0.5-

Additional requirements:

- 1) Must use GitHub
 - a. Invite me to your repository (dejohns2)
 - b. Numerous commits which will prove who did work
 - c. Use folders to organize your files in your repository.
 - d. Balance work across code and README
 - i. Fully explain what the program does
 - ii. Embedded screenshots (stored in a subfolder)
 - iii. Bullet point list of what new concepts were used
 - iv. links to the author's profiles
- 2) Include either a peer-review or self-review
- 3) Attach the following files to your assignment:
 - a. your program file (RPT2000.txt) to the assignment as a **TEXT File (.txt)**

- b. along with your Good, Bad, and Ugly (GBU) reflection written at a college level
(including name, date, and assignment)

IMPORTANT: Include, your GitHub URL in this document.