COBOL Lab Assessment

# STEP1: ISPF

1. Create a PDS by name : <USERID>.LAB.TEST3
2. Allocate a PS dataset with record length 80 with naming convention as below. PS1 - **<USERID>.POLICY.PS1**

Using the details from below file layout, enter only the records into the PS1 file **<USERID>.POLICY.PS1**

| POLICY-NUM | POLICY-TERM | POLICY-LOB | POLICY-AMT | POLICY-STATUS |
| --- | --- | --- | --- | --- |
| X(5) | 9(2) | X(7) | 9(5) | X(7) |
| P0001 | 00 | LIFE | 00450 | ACTIVE |
| P0002 | 01 | HEALTH | 00300 | EXPIRED |
| P0003 | 03 | CHILD | 00230 | ACTIVE |
| P0004 | 00 | GENERAL | 00400 | EXPIRED |
| P0005 | 07 | CHILD | 00230 | EXPIRED |

# STEP2: COBOL

* Input file to be used in the program **: <USERID>.POLICY.PS1**
* Output files are Validated and Error PS files

Write a COBOL program to perform the following,

* + Read the records from the input PS1 dataset(**<USERID>.POLICY.PS1**) and validate input values for each field in the input file.
    - Check whether POLICY-LOB field is Greater than Spaces and
    - Check whether POLICY-STATUS field contains values – either ’EXPIRED’ or ‘ACTIVE’ or ‘INACTIVE’ and
    - Check whether POLICY-TERM is Numeric

If the input record does not pass through the validations specified above then write that input record into error PS file **<USERID>.POLICY.ERR** and start processing the next record. Layout of Error PS file will be same as PS1 file.

If the above PS1 file passes the validation, then do the following and Write into another PS file

Evaluate the below to set the policy-level

* When POLICY-STATUS is ‘ACTIVE’ and POLICY-TERM is less than 2
  + then Set POLICY-LEVEL field as ‘GOOD’
* When POLICY-STATUS is ‘ACTIVE’ and POLICY-TERM is equal to 2
  + then Set POLICY-LEVEL field as ‘BETTER’
* When POLICY-STATUS is ‘ACTIVE’ and POLICY-TERM is greater than 2
  + then Set POLICY-LEVEL field as ‘BEST’

Structure of Output PS <USERID>.POLICY.OUTPUT

| POLICY- NUM | POLICY- TERM | POLICY- LOB | POLICY- AMT | POLICY- STATUS | POLICY- LEVEL |
| --- | --- | --- | --- | --- | --- |
| X(5) | 9(2) | X(7) | 9(5) | X(8) | X(6) |