

1008

Life Insurance Details

My First Real Project

2025

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Introduction

1008 – ALLIANZ INSURANCE COMPANY – LIFE INSURANCE

- ❖ Allianz Insurance Company is a leading insurance company in India.
- ❖ It offers various types of Policies for its customers.
- ❖ Due to large amount of data, the insurance company plans to automate its processes.
- ❖ For this purpose it needs to store all the details in different databases like Policy Database, Agent Database, and Customer Database etc.
- ❖ So, the main objective of this project is to store the **life** insurance policy details in the database system.

Requirements

- To create a **PREMIUM Table** and insert with validated records from input file.
- To create an **ERROR (PS) File** that contains all invalid records with the specific reason.
- To create a **MASTER VSAM (KSDS) File** that contains all the entry records.
- To create a **PREMIUM (PS) File** with the records inserted from the table.
- To sort PREMIUM records and put them into 2 different **SORT (PS) Files**.

SORT 1 (PS) → Policy Amount \leq 8000

SORT 2 (PS) → Policy Amount $>$ 8000

- To create **GDG** generations of limit 7 for all the files handled.
- To create a **REPORT (PS) File** based on the MASTER VSAM file records with appropriate page break sections.

Flowchart



Procedure

1. Reading Records from INPUT (PS) File

Input File – TECN013.SETHU.PROJECT.INP.PS

File	Edit	Edit_Settings	Menu	Utilities	Compilers	Test	Help		
EDIT		TECN013.SETHU.PROJECT.INP.PS					Columns 00001 00072		
Command ==>							Scroll ==> CSR		
*****		***** Top of Data *****					*****		
000100	3278AR.	M1011A2764538911764538911000001000001-01-2025	02-02-2025	000					
000200	3278BS.	AKASH M1012B2764538912764538911000000800002-02-2025	03-03-2025	000					
000300	3279CD.	RAMESH M1013C2764538913764538911000000600003-03-2025	04-04-2025	000					
000400	3280AG.	SURESH M1011A27645389117645389120000001000004-04-2025	05-05-2025	000					
000500	3281AK.	KISHOR M1011A27645389117645389130000001000005-05-2025	06-06-2025	000					
000600	3282BK.	MOHAN M1012B27645389127645389220000000800006-06-2025	07-07-2025	000					
000700	ABC3BR.	KUMAR M1012B27645389127645389330000000800007-07-2025	08-08-2025	000					
000800	3284BC.	SETHU M1012B27645389127645389440000000800008-08-2025	09-09-2025	000					
000900	3284CS.	MIDHU M1013C27645389137645389520000000600009-09-2025	10-10-2025	000					
001000	3285AR.	RAMAN M1011A27645389117645389140000001000010-10-2025	11-11-2025	000					
001100	3286BD.	DURAI M1012B27645389127645389150000000800011-11-2025	12-12-2025	000					
001200	3287CA.	ARASU M1013C27645389137645389130000000600012-12-2025	01-01-2026	000					
001300	3288CR.	KUNAL M1013C27645389137645389140000000600013-01-2026	02-02-2026	000					
001400	3289BR.	ALLADI M1012B27645389127645389160000000800014-02-2026	03-03-2026	000					
001500	3290AC.	YADAV M1011A27645389117645389150000001000015-03-2026	04-04-2026	000					
001600	3291AG.	GANESH M1011A27645389117645389160000001000016-04-2026	05-05-2026	000					
F1=Help		F2=Run		F3=Exit		F4=Spool		F5=Rfind	F6=Rchange
F7=Up		F8=Down		F9=Swap		F10=Left		F11=Right	F12=Cancel
*DSL									
M A							04 / 015		

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2. Insert Validated Records to PREMIUM Table

Input Table – PREMIUM

[illegible]

2. Insert Validated Records to PREMIUM Table

Input Table – PREMIUM

[illegible]

Procedure

3. Insert Invalid Records to ERROR (PS) File

Error File – TECN013.SETHU.PROJECT.OUT.ERR

```
File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT TECN013.SETHU.PROJECT.OUT.ERR Columns 00029 00100
Command ==> Scroll ==> CSR
***** Top of Data *****
000001 911764538911000001000001-01-202502-02-20250000000100 HOLDER NAME
000002 912764538933000000800007-07-202508-08-20250000000700 HOLDER ID
000003 912764538917000000800017-05-202606-06-202600000001700 POLICY CODE
000004 912764538918000000800018D06-202607-07-202600000001800 PREM RECEIVED DATE
000005 913764538915000000600019-07-202608-08-202600000001900 POLICY ID
000006 913764538916000000A00020-08-202609-09-202600000002000 PREMIUM AMOUNT
***** Bottom of Data *****

F1=Help F2=Run F3=Exit F4=Spool F5=Rfind F6=Rchange
F7=Up F8=Down F9=Swap F10=Left F11=Right F12=Cancel
*DSL IST

MA A ↑ 04/015
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```

Procedure

4. Entry all the Validated Records in a MASTER VSAM (KSDS) File

Master VSAM Output File – TECN013.SETHU.PROJECT.OUT.KSDS

```
KEY OF RECORD - 3280AG. SURESH M1011
3280AG. SURESH M101104-04-20250,000,010,000
KEY OF RECORD - 3281AK. KISHOR M1011
3281AK. KISHOR M101105-05-20250,000,010,000
KEY OF RECORD - 3282BK. MOHAN M1012
3282BK. MOHAN M101206-06-20250,000,008,000
KEY OF RECORD - 3284BC. SETHU M1012
3284BC. SETHU M101208-08-20250,000,008,000
KEY OF RECORD - 3284CS. MIDHU M1013
3284CS. MIDHU M101309-09-20250,000,006,000
KEY OF RECORD - 3285AR. RAMAN M1011
3285AR. RAMAN M101110-10-20250,000,010,000
KEY OF RECORD - 3286BD. DURAI M1012
3286BD. DURAI M101211-11-20250,000,008,000
KEY OF RECORD - 3287CA. ARASU M1013
3287CA. ARASU M101312-12-20250,000,006,000
KEY OF RECORD - 3288CR. KUNAL M1013
3288CR. KUNAL M101313-01-20260,000,006,000
KEY OF RECORD - 3289BR. ALLADI M1012
3289BR. ALLADI M101214-02-20260,000,008,000
KEY OF RECORD - 3290AC. YADAV M1011
3290AC. YADAV M101115-03-20260,000,010,000
KEY OF RECORD - 3291AG. GANESH M1011
***
```

MA A

↑

24 / 006

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Procedure

5. Entry the same as well in PREMIUM (PS) File

Output File – TECN013.SETHU.PROJECT.OUT.PS

```
File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT TECN013.SETHU.PROJECT.OUT.PS Columns 00001 00072
Command ==> Scroll ==> CSR
***** Top of Data *****
000200 3278BS. AKASH M1012B2764538912764538911000000800002-02-202503-03-202500
000300 3279CD. RAMESH M1013C2764538913764538911000000600003-03-202504-04-202500
000400 3280AG. SURESH M1011A2764538911764538912000001000004-04-202505-05-202500
000500 3281AK. KISHOR M1011A2764538911764538913000001000005-05-202506-06-202500
000600 3282BK. MOHAN M1012B2764538912764538922000000800006-06-202507-07-202500
000800 3284BC. SETHU M1012B2764538912764538944000000800008-08-202509-09-202500
000900 3284CS. MIDHU M1013C2764538913764538952000000600009-09-202510-10-202500
001000 3285AR. RAMAN M1011A2764538911764538914000001000010-10-202511-11-202500
001100 3286BD. DURAI M1012B2764538912764538915000000800011-11-202512-12-202500
001200 3287CA. ARASU M1013C2764538913764538913000000600012-12-202501-01-202600
001300 3288CR. KUNAL M1013C2764538913764538914000000600013-01-202602-02-202600
001400 3289BR. ALLADI M1012B2764538912764538916000000800014-02-202603-03-202600
001500 3290AC. YADAV M1011A2764538911764538915000001000015-03-202604-04-202600
001600 3291AG. GANESH M1011A2764538911764538916000001000016-04-202605-05-202600
***** Bottom of Data *****

F1=Help F2=Run F3=Exit F4=Spool F5=Rfind F6=Rchange
F7=Up F8=Down F9=Swap F10=Left F11=Right F12=Cancel
*DSLST -ISRBR0B

MA A ↑ 04/015
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```

Procedure

6. Sort the Output File based on Premium Amount

Policy Amount <= 8000 → Sort File – TECN013.SETHU.PROJECT.OUT.PS1

```
File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT TECN013.SETHU.PROJECT.OUT.PS1 Columns 00001 00072
Command ==> Scroll ==> CSR
***** Top of Data *****
000200 3278BS. AKASH M1012B2764538912764538911000000800002-02-202503-03-202500
000300 3279CD. RAMESH M1013C2764538913764538911000000600003-03-202504-04-202500
000600 3282BK. MOHAN M1012B2764538912764538922000000800006-06-202507-07-202500
000800 3284BC. SETHU M1012B2764538912764538944000000800008-08-202509-09-202500
000900 3284CS. MIDHU M1013C2764538913764538952000000600009-09-202510-10-202500
001100 3286BD. DURAI M1012B2764538912764538915000000800011-11-202512-12-202500
001200 3287CA. ARASU M1013C2764538913764538913000000600012-12-202501-01-202600
001300 3288CR. KUNAL M1013C2764538913764538914000000600013-01-202602-02-202600
001400 3289BR. ALLADI M1012B2764538912764538916000000800014-02-202603-03-202600
***** Bottom of Data *****

F1=Help F2=Run F3=Exit F4=Spool F5=Rfind F6=Rchange
F7=Up F8=Down F9=Swap F10=Left F11=Right F12=Cancel
*DSL*IST

MA A 04/015
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```

Procedure

6. Sort the Output File based on Premium Amount

Policy Amount > 8000 → Sort File – TECN013.SETHU.PROJECT.OUT.PS2

```
File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT TECN013.SETHU.PROJECT.OUT.PS2 Columns 00001 00072
Command ==> Scroll ==> CSR
***** Top of Data *****
000400 3280AG. SURESH M1011A2764538911764538912000001000004-04-202505-05-202500
000500 3281AK. KISHOR M1011A2764538911764538913000001000005-05-202506-06-202500
001000 3285AR. RAMAN M1011A2764538911764538914000001000010-10-202511-11-202500
001500 3290AC. YADAV M1011A2764538911764538915000001000015-03-202604-04-202600
001600 3291AG. GANESH M1011A2764538911764538916000001000016-04-202605-05-202600
***** Bottom of Data *****

F1=Help      F2=Run      F3=Exit      F4=Spool      F5=Rfind      F6=Rchange
F7=Up        F8=Down     F9=Swap      F10=Left     F11=Right    F12=Cancel
*DSLIST

MA A ↑ 04/015
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```

Procedure

7. Create GDG of 7 Generations for all the files handled

GDG Generations – Limit 7

```
Menu Options View Utilities Compilers Help
DSLIST - Data Sets Matching TECN013.SETHU.PROJECT Row 1 of 21
Command ==> Scroll ==> PAGE

Command - Enter "/" to select action Message Volume
-----
TECN013.SETHU.PROJECT.INP.PS ZAPRD4
TECN013.SETHU.PROJECT.INP.PS.GDG ???????
TECN013.SETHU.PROJECT.INP.PS.GDG.G0001V00 ZAPRD4
TECN013.SETHU.PROJECT.INP.PS.GDG.G0002V00 ZAPRD4
TECN013.SETHU.PROJECT.OUT.ERR ZAPRD4
TECN013.SETHU.PROJECT.OUT.ERR.GDG ???????
TECN013.SETHU.PROJECT.OUT.ERR.GDG.G0001V00 ZAPRD4
TECN013.SETHU.PROJECT.OUT.ERR.GDG.G0002V00 ZAPRD4
TECN013.SETHU.PROJECT.OUT.KSDS *VSAM*
TECN013.SETHU.PROJECT.OUT.KSDS.DATA ZAPRD4
TECN013.SETHU.PROJECT.OUT.KSDS.INDEX ZAPRD4
TECN013.SETHU.PROJECT.OUT.PS ZAPRD4
TECN013.SETHU.PROJECT.OUT.PS.GDG ???????
TECN013.SETHU.PROJECT.OUT.PS.GDG.G0001V00 ZAPRD4

F1=Help F2=Split F3=Exit F4=SP00L F5=Rfind F7=Up F8=Down
F9=Swap F10=Left F11=Right F12=Cancel
*DSLIST

MA A 04/015
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```


Report

Create a Report File (PS) by taking all the Records from MASTER VSAM (KSDS) File

Report File – TECN013.SETHU.PROJECT.REP2

```
File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT          TECN013.SETHU.PROJECT.REP2          Columns 00001 00072
Command ==> Scroll ==> CSR
***** Top of Data *****
000001 |-----|
000002 |          LIFE INSURANCE DETAIL REPORT          |
000003 |DATE : 2025/05/30          PAGE NO : 01|
000004 |TIME : 20:50:31          REPORT ID : 1008|
000005 |-----|
000006 |POLICY ID          HOLDER ID          PREM AMT          PREM REC DATE|
000007 |-----|
000008 |M1012          3278B          0,000,008,000          02-02-2025|
000009 |M1013          3279C          0,000,006,000          03-03-2025|
000010 |M1011          3280A          0,000,010,000          04-04-2025|
000011 |M1011          3281A          0,000,010,000          05-05-2025|
000012 |M1012          3282B          0,000,008,000          06-06-2025|
000013 |M1012          3284B          0,000,008,000          08-08-2025|
000014 |M1013          3284C          0,000,006,000          09-09-2025|
000015 |-----END OF PAGE-----|
000016 |-----|
F1=Help          F2=Run          F3=Exit          F4=Spool          F5=Rfind          F6=Rchange
F7=Up          F8=Down          F9=Swap          F10=Left          F11=Right          F12=Cancel
*DSLIST -DSLIST
MA A          ↑          05/002
Connected to remote server/host 172.105.135.161 using lu/pool TCPA4542 and port 22
```

Report

Create a Report File (PS) by taking all the Records from MASTER VSAM (KSDS) File

Report File – TECN013.SETHU.PROJECT.REP2

File Edit Edit_Settings Menu Utilities Compilers Test Help					
EDIT		TECN013.SETHU.PROJECT.REP2		Columns 00001 00072	
Command ==>				Scroll ==> CSR	
000017				PAGE NO : 02	
000018				REPORT ID : 1008	
000019		-----			
000020		POLICY ID	HOLDER ID	PREM AMT	PREM REC DATE
000021		-----	-----	-----	-----
000022		M1011	3285A	0,000,010,000	10-10-2025
000023		M1012	3286B	0,000,008,000	11-11-2025
000024		M1013	3287C	0,000,006,000	12-12-2025
000025		M1013	3288C	0,000,006,000	13-01-2026
000026		M1012	3289B	0,000,008,000	14-02-2026
000027		M1011	3290A	0,000,010,000	15-03-2026
000028		M1011	3291A	0,000,010,000	16-04-2026
000029		-----END OF PAGE-----			
000030		-----			
000031				PAGE NO : 03	
000032				REPORT ID : 1008	
000033		-----			
F1=Help		F2=Run	F3=Exit	F4=Spool	F5=Rfind
F7=Up		F8=Down	F9=Swap	F10=Left	F11=Right
*DSL		*SL		F12=Cancel	
MA A					
04/002					
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Report

Create a Report File (PS) by taking all the Records from MASTER VSAM (KSDS) File

Report File – TECN013.SETHU.PROJECT.REP2

```
File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT          TECN013.SETHU.PROJECT.REP2          Columns 00001 00072
Command ==> Scroll ==> CSR
000034 | POLICY ID          HOLDER ID          PREM AMT          PREM REC DATE |
000035 | -----          -----          -----          ----- |
000036 | *****END OF REPORT***** |
000037 | -----          -----          -----          ----- |
***** Bottom of Data *****
F1=Help      F2=Run      F3=Exit      F4=Spool      F5=Rfind      F6=Rchange
F7=Up        F8=Down     F9=Swap     F10=Left     F11=Right    F12=Cancel
*DSLIST      -DSLIST
MA A                               04/002
Connected to remote server/host 172.105.135.161 using lu/pool TCPA4542 and port 22
```

Conclusion

ALLIANZ INSURANCE COMPANY – LIFE INSURANCE

- **Enhanced Efficiency and Accuracy:** Automation will streamline operations and reduce manual errors.
- **Structured Databases:** Implementation of databases for policies, agents, and customers.
- **Robust Validation Mechanisms:** Ensuring data integrity through validation and error handling.
- **Segregation of Premium Details:** Splitting premium details based on policy amounts for better management.
- **Master Premium VSAM KSDS File:** Inclusion of all the premium details for improved data accessibility.
- **Detailed Reports:** Generation of reports with page break logic for clear information.
- **Backup in GDG Files:** Maintaining backups to ensure data integrity and availability.
- **Overall Goal:** Creating a reliable system for managing insurance policy details, contributing to improved customer service and operational excellence.

Thank You...!!!