

1008

## Life Insurance Details

My First Real Project 2025

SETHURAMAN C | 2400867 | INTISG25MF001



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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 it 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.**

- 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**





## 1. Reading Records from INPUT (PS) File

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

<u>F</u> ile <u>E</u> dit	E <u>d</u> it_Se	ttings	<u>M</u> enu	<u>U</u> tilities	<u>C</u> ompilers	<u>T</u> est	<u>H</u> elp
	CNØ13.SE	THU.PRO	JECT.I	NP.PS		Col	umns 00001 00072
Command ===>							Scroll ===> CSR
***** ****							******
000100 3278AF							202502-02-202500
<b>000200</b> 3278BS	. AKASH	M1012B	276453	89127645389	911 <b>0000000</b> 800	0002-02	2-202503-03-202500
<b>000300</b> 3279CD	. RAMESH	M1013C	276453	89137645389	911 <b>000000060</b> 0	0003-03	3-202504-04-202500
000400 3280A0	. SURESH	M1011A	276453	89117645389	912 <b>00000100</b> 0	0004-04	1-202505-05-202500
000500 3281Ak	. KISHOR	M1011A	276453	89117645389	913 <b>00000100</b> 0	0005-05	5-202506-06-202500
000600 3282Bk	. MOHAN	M1012B	276453	89127645389	922 <b>0000000</b> 8 <b>0</b> 0	0006-06	5-202507-07-202500
<b>000700</b> ABC3BF	. KUMAR	M1012B	276453	89127645389	933 <b>00000080</b> 0	0007-07	7-202508-08-202500
000800 3284B0	. SETHU	M1012B	276453	89127645389	9 <b>44000000</b> 800	8 <mark>0-8000</mark>	3-202509-09-202500
000900 3284C5	. MIDHU	M1013C	276453	89137645389	952 <b>00000060</b> 0	<mark>0009-0</mark> 9	9-202510-10-202500
<b>001000</b> 3285AF	. RAMAN	M1011A	276453	89117645389	914000001000	0010-10	0-202511-11-202500
<b>001100</b> 3286BD	. DURAI	M1012B	276453	89127645389	915 <mark>000000</mark> 800	0011-11	L-2 <mark>02512-12-202500</mark>
001200 3287CA	. ARASU	M1013C	276453	89137645389	913 <b>00000060</b> 0	<mark>0012-1</mark> 2	2-202501-01-202600
001300 3288CF	. KUNAL	M1013C	276453	89137645389	914 <mark>000000</mark> 600	0013-01	L-202602-02-202600
<b>001400</b> 3289BF	. ALLADI	M1012B	276453	89127645389	9160000000800	0014-02	2-202603-03-202600
001500 3290A0	. YADAV	M1011A	276453	89117645389	915 <b>00000100</b> 0	<b>0015-0</b> 3	3-202604-04-202600
001600 3291A	. GANESH	M1011A	276453	89117645389	916000001000	0016-04	I-202605-05-202600
F1=Help	F2=Run	F	3=Exit	F4=S	oool F5=	Rfind	F6=Rchange
F7=Up	F8=Down	F	9=Swap	F10=L	eft F11=	=Right	
*DSLIST							
M <u>A</u> A				Û			04/015
Connected to remote server/host 1	72.105.135.161 using lu/po	ol TCPA3784 and port	22				

#### 2. Insert Validated Records to PREMIUM Table

Input Table – PREMIUM

		•				
<u>M</u> enu <u>U</u> 1	tilities <u>C</u> o	mpilers <u>H</u> e	lp			
BROWSE Command ==				Line <b>000</b> 0	00000 Col 001 0 Scroll ===> <u>8</u>	080
*****	******		Top of Data	*******	**************************************	****
	FROM AGENT; FROM INSURA			+	 00001 00002	
DELETE F	ROM PREMIUM;				00004	1043
SELECT *	FROM PREMIU	М;			00004	1143
+- HOLDER_ID				POLICY_NUMBER		PR
3278B	S. AKASH	M1012	B276453891	27645-38911	0,000,800,000	Ø,
3279C	D. RAMESH	M1013	C276453891	37645-38911	0,000,600,000	0,
328 <b>0</b> A	G. SURESH	M1011	A276453891	17645-38912	0,001,000,000	0,
3281A	K. KISHOR	M1011	A276453891	17645-38913	0,001,000,000	0,
3282B	K. MOHAN	M1012	B276453891	27645-38922	0,000,800,000	0,
3284B	C. SETHU	M1012	B276453891	27645-38944	0,000,800,000	0,
3284C	S. MIDHU	M1013	C276453891	37645-38952	0,000,600,000	Ø,
3285A	R. RAMAN	M1011	A276453891	17645-38914	0,001,000,000	0,
F1=Help	F2=Split	F3=Exit	F4=SP00L	F5=Rfind F7=Up	F8=Down	
	F10=Left	F11=Right	F12=Cancel			
-DSLIST						
M <u>A</u> A			Î		09/0	923

#### 2. Insert Validated Records to PREMIUM Table

Input Table – PREMIUM

		I		
<u>M</u> enu <u>U</u> tili	ties <u>C</u> ompilers	<u>H</u> elp		
BROWSE TEC	N013.SETHU.PROJE	CT.SQLOUT	Line 00	000000 Col 033 112
Command ===>				Scroll ===> <u>8</u>
******	******	*** Top of Data	******	******
	+		+	+
		00001	021	
		00002	<b>0</b> 38	
		00004	<b>04</b> 3	
		00004	143	
	+		+	+
D POLICY_CODE	POLICY_NUMBER	POLICY_AMOUNT	PREMIUM_AMOUNT	PREMIUM_RECEIVED_D
	+		+	+
B276453891	27645-38911	0,000,800,000	0,000,008,000	2025-02-02
C276453891	37645-38911	0,000,600,000	0,000,006,000	2025-03-03
A276453891	17645-38912	0,001,000,000	0,000,010,000	2025-04-04
A276453891	17645-38913	0,001,000,000	0,000,010,000	2025-05-05
B276453891	27645-38922	0,000,800,000	0,000,008,000	2025-06-06
B276453891	27645-38944	0,000,800,000	0,000,008,000	2025-08-08
C276453891	37645-38952	0,000,600,000	0,000,006,000	2025-09-09
A276453891	17645-38914	0,001,000,000	0,000,010,000	2025-10-10
F1=Help F	2=Split F3=Exi	t F4=SP00L	F5=Rfind F7=U	p F8=Down
F9=Swap F1	0=Left F11=Rig	ht F12=Cancel		
-DSLIST *I	SRBR0B			
				0.41845
MA A		Û		04/015
Connected to remote server/host 172	2.105.135.161 using lu/pool TCPA3878 and port 2	2		



## 3. Insert Invalid Records to ERROR (PS) File

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

<u>F</u> ile <u>E</u> dit	E <u>d</u> it_Settings	<u>M</u> enu	<u>U</u> tilities	<u>C</u> ompilers	<u>T</u> est	<u>H</u> elp
EDIT TE	CNØ13.SETHU.PR	OJECT.O	UT.ERR			umns <b>00029 00100</b> Scroll ===> <b>CSR</b>
***** ****	*************	*****	** Top of D	ata *****	*****	*****
000001 911764	1538911000001000				100 HOI	LDER NAME
	1538933000000800					LDER ID
	153891700000080					LICY CODE
	1538918000000800					EM RECEIVED DATE
	1538915000000060					LICY ID
	1538916000000A0					
***** ****			* Bottom of		*****	******
F1=Help	F2=Run	F3=Exit	F4=Sp	0001 F5=	Rfind	F6=Rchange
F7=Up		F9=Swap			Right	F12=Cancel
*DSLIST		энар	. 10			
	1					
M <u>A</u> ■ A			û			04/015
Connected to remote server/host 1	72.105.135.161 using lu/pool TCPA3878 and p	ort 22				



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

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

```
50,000,006,000
                                  20250,000,010,000
                              12-20250,000,006,000
        RECORD
                                         M1013
                             01-20260,000,006,000
                   M101214-02-20260,000,008,000
        RECORD
         YADAV
                             03-20260,000,010,000
        RECORD
                                                                                                 24/006
     Α
                                                     û
Connected to remote server/host 172.105.135.161 using lu/pool TCPA3878 and port 22
```



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

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

<u>F</u> ile <u>E</u> dit	E <u>d</u> it_Settings	<u>M</u> enu	<u>U</u> tilities	<u>C</u> ompilers	<u>T</u> est	<u>H</u> elp
EDIT TE	CN013.SETHU.PR	OJECT.OU	T.PS		Colu	mns 00001 00072
Command ===>					S	croll ===> <u>CSR</u>
***** ****	******	*****	<ul><li>* Top of Da</li></ul>	ata ******	*****	******
<b>000200</b> 3278BS	. AKASH M1012	B2764538	91276453891	1000000800	002-02-	202503-03-202500
<b>000300</b> 3279CD	. RAMESH M1013	C2764538	91376453891	1000000600	003-03-	202504-04-202500
000400 3280AG	. SURESH M1011	A2764538	91176453891	2000001000	004-04-	202505-05-202500
<b>000500</b> 3281AK	. KISHOR M1011	A2764538	91176453891	3000001000	005-05-	202506-06-202500
<b>000600</b> 3282BK	. MOHAN M1012	B2764538	91276453892	220000000800	006-06-	202507-07-202500
<b>000800</b> 3284BC	. SETHU M1012	B2764538	91276453894	4000000800	-80-800	202509-09-202500
<b>000900</b> 3284CS	. MIDHU M1013	C2764538	91376453895	2000000600	009-09-	202510-10-202500
<b>001000</b> 3285AR	. RAMAN M1011	A27645389	91176453891	4000001000	010-10-	202511-11-202500
<b>001100</b> 3286BD	. DURAI M1012	B27645389	91276453891	5000000800	011-11-	202512-12-202500
001200 3287CA	. ARASU M1013	C27645389	91376453891	3000000600	012-12-	202501-01-202600
<b>001300</b> 3288CR	. KUNAL M1013	C27645389	91376453891	4000000600	013-01-	202602-02-202600
<b>001400</b> 3289BR	. ALLADI M1012	B27645389	91276453891	6000000800	014-02-	202603-03-202600
001500 3290AC	. YADAV M1011	A27645389	91176453891	5000001000	015-03-	202604-04-202600
001600 3291AG	. GANESH M1011	A2764538	91176453891	6000001000	016-04-	202605-05-202600
***** ***	*****	*****	Bottom of	Data ****	*****	*****
F1=Help	F2=Run	F3=Exit	F4=Spc	ool F5=	Rfind	F6=Rchange
F7=Up	F8=Down	F9=Swap	F <b>10</b> =Le1		Right	F12=Cancel
-	SRBROB					
M <u>A</u> A			·····································			04/015
	2.105.135.161 using lu/pool TCPA3878 and p	ort 22	u			
G Connected to remote server/ most 17	2 strict daing to poor terriboro und p					

## 6. Sort the Output File based on Premium Amount

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

<u>F</u> ile <u>E</u> d	lit	E <u>d</u> it_Set	tings	<u>M</u> enu	<u>U</u> tili	ties	Comp	ilers	<u>T</u> es	st	<u>H</u> elp	)		
EDIT	TE	CN <b>01</b> 3.SET	THU.PRO	JECT.0	UT.PS1					Colu	ımns	00001	000	72
Command ==	=>									S	crol	1 ===	> CS	R
***** ***	***	******	*****	*****	** Top	of D	ata *	****	****	***	***	****	***	***
000200 327					891276									
000300 327	9CD	. RAMESH	M1013C	276453	891376	45389	11000	00060	0003-	- 03 -	2025	504-04	-202	500
000600 328	2ВК	. MOHAN	M1012B	276453	891276	45389	22000	00080	0006-	- 06-	2025	507-07	-202	500
000800 328	4вс	. SETHU	M1012B	276453	891276	45389	44000	00080	0008-	-08-	2025	509-09	-202	500
000900 328	4CS	. MIDHU	M1013C	276453	891376	45389	52000	00060	0009-	-09-	2025	510-10	-202	500
001100 328	6BD	. DURAI			891276									
001200 328	7CA	. ARASU	M1013C	276453	891376	45389	13000	00060	0012-	-12-	2025	501-01	-202	600
001300 328	8CR	. KUNAL			891376									
001400 328														
*****	***	*****												
F1=Help		F2=Run	F	3=Exit		F4=Sp	001	ES	=Rfir	nd	F	6=Rch	ange	
F7=Up		F8=Down		9=Swap		10=Le			=Righ			L2=Can		
*DSLIST		I O-DOWII		3 Swap		TO-LE	1 6	. 11	. Kigi	1.0		LZ Call	CCL	
DSLIST														
M <u>A</u> A						<del></del>							04/0	15
Connected to remote serve	er/host 172	.105.135.161 using lu/poo	I TCPA3878 and por	t 22										
		,												



#### 6. Sort the Output File based on Premium Amount

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

<u>F</u> ile <u>E</u> dit	E <u>d</u> it_Setting	s <u>M</u> enu	<u>U</u> tilities	<u>C</u> ompile	ers <u>T</u> est	<u>H</u> elp	
EDIT TE	CN <b>01</b> 3.SETHU.P	ROJECT.	OUT.PS2		Со	lumns <b>000</b> 0 Scroll ==	
***** ****	*****	*****	*** Top of I	Data ****	*****	*****	****
000400 3280AG	. SURESH M101	1A276453			.000004-0	4-202505-0	05-202500
000500 3281AK	. KISHOR M101	1A276453	38911764538	913 <b>00000</b> 1	.000005-0	5-202506-0	06-202500
001000 3285AR	. RAMAN M101	1A276453	38911764538	914000001	000010-1	0-202511-	11-202500
001500 3290AC			38911764538				
001600 3291AG							
***** ****			** Bottom o				
F1=Help	F2=Run	F3=Exit	t F4=Sı	noo1	F5=Rfind	F6=R4	change
F7=Up	F8=Down	F9=Swar			11=Right		
*DSLIST	1 O DOWN	13 Swap	1 10-6		II KIGIIC	1 12-0	ance L
M <u>A</u> A			Û				04/015
Connected to remote server/host 172	2.105.135.161 using lu/pool TCPA3878 a	nd port 22					



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

GDG Generations – Limit 7

Menu <u>Options View U</u> tilities Compilers Help		
DSLIST - Data Sets Matching TECN013.SETHU.PROJECT Command ===>	Sci	Row 1 of 21 roll ===> PAGE
Command - Enter "/" to select action	Message	Volume
TECNØ13.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
TECN <mark>013.SETHU.PROJECT.OUT.ERR</mark>		ZAPRD4
TECN <mark>013.SETHU.PROJECT.OUT.ERR.GDG</mark>		??????
TECN013.SETHU.PROJECT.OUT.ERR.GDG.G0001V00		ZAPRD4
TECN013.SETHU.PROJECT.OUT.ERR.GDG.G0002V00		ZAPRD4
TECN <mark>013.SETHU.PROJECT.OUT.KSDS</mark>		*VSAM*
TECN <mark>013.SETHU.PROJECT.OUT.KSDS.DATA</mark>		ZAPRD4
TECN <mark>013.SETHU.PROJECT.OUT.KSDS.INDEX</mark>		ZAPRD4
TECN <mark>013.SETHU.PROJECT.OUT.PS</mark>		ZAPRD4
TECN <mark>013.SETHU.PROJECT.OUT.PS.GDG</mark>		??????
TECN013.SETHU.PROJECT.OUT.PS.GDG.G0001V00		ZAPRD4
F1=Help F2=Split F3=Exit F4=SP00L F5=Rfine	d F7=Up	F8=Down
F9=Swap F1 <mark>0=</mark> Left F11=Right F12=Cancel		
*DSLIST		
M <u>A</u> A		04/015
© Connected to remote server/host 172.105.135.161 using Iu/pool TCPA3878 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

<u>F</u> ile <u>E</u> di	•		<u>U</u> tilities		<u>T</u> est	<u>H</u> elp
Command ===						umns <b>00001 00072</b> Scroll ===> <u>CSR</u>
	******	******	*** Top of D	ata *****	*****	******
000001						
000002	5035 (05 (30	LIFE	INSURANCE D	ETAIL REPOR	< I	BACE NO 641
•	E : 2025/05/30					PAGE NO: 01
000004  TIM 000005	E : 20:50:31					REPORT ID : 1008
	ICY ID	HOLDER	TD	PREM AMT		PREM REC DATE
		HOLDEK	10	FREH AHT		FREH REC DATE
000007		3278B		0,000,008	3 000	02-02-2025
000000   M10		3279C		0,000,000		02 02 2025   03-03-2025
000010  M10		3280A		0,000,010		04-04-2025
000011  M10		3281A		0,000,010		05-05-2025
000012  M10		3282B		0,000,008		06-06-2025
000013  M10		3284B		0,000,008		08-08-2025
000014 M10		3284C		0,000,000		09-09-2025
000015			END OF			·i
000016						
F1=Help	F2=Run	F3=Exit	t F4=Sp	ool F5=	=Rfind	F6=Rchange
F7=Up	F8=Down	F9=Swap	F10=Le	ft F11=	=Right	F12=Cancel
*DSLIST	-DSLIST					
M <u>A</u> A			·····································			05/002
Connected to remote server/h	ost 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

<u>F</u> ile <u>E</u> di		tings <u>M</u> enu				
EDIT	TECN013.SET	HU.PROJECT.RE	P2		Columns <b>00001 00</b>	072
Command ===	=>				Scroll ===> <u>C</u>	SR
000017					PAGE NO :	<b>0</b> 2
000018					REPORT ID : 1	800.
000019						
000020  POL	ICY ID	HOLDER I	D	PREM AMT	PREM REC D	ATE
000021						
000022  M10	11	3285 <b>A</b>		0,000,010		1
000023  M10	12	3286B		0,000,008		1
000024  M10	13	3287C		0,000,006		1
000025  M10	13	3288C		0,000,006	,000 13-01-2026	1
000026  M10	12	3289B		0,000,008	,000 14-02-2026	1
000027  M10	11	329 <b>0A</b>		0,000,010	,000 15-03-2026	1
000028  M10	11	3291A		0,000,010	,000 16-04-2026	1
000029			END OF P	AGE		
000030						
000031					PAGE NO :	<b>Ø</b> 3
000032					REPORT ID : 1	800.
000033						
F1=Help	F2=Run	F3=Exit	F4=Spo	o1 F5=I	Rfind F6=Rchang	ge .
F7=Up	F8=Down	F9=Swap	F10=Lef	t F11=	Right F12=Cancel	
*DSLIST	-DSLIST					
M <u>A</u> A			<u></u>		04/	002
Connected to remote server/	nost 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

<u>F</u> ile <u>E</u> d	it E <u>d</u> it_Settir	ngs <u>M</u> enu <u>l</u>	<u>J</u> tilities	<u>C</u> ompilers	<u>T</u> est	<u>H</u> elp
EDIT Command ==	TECNØ13.SETHU.	PROJECT.REF	P2			umns <b>00001 00072</b> Scroll ===> <u>CSR</u>
000034  P0 000035	LICY ID	HOLDER I	) -	PREM AMT		PREM REC DATE
	*****	*********	**END OF RE	PORT*****	*****	******
****** ***	*******	******	Bottom of	 Data ****	*****	*******
F1=Help	F2=Run	F3=Exit	F4=Spo	ol F5=	Rfind	F6=Rchange
F7=Up *DSLIST	F8=Down -DSLIST	F9=Swap	F10=Lef	t F11=	Right	F12=Cancel
MA A	- B3CI31					04/002
Connected to remote server	host 172.105.135.161 using lu/pool TCPA45	42 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..!!!

