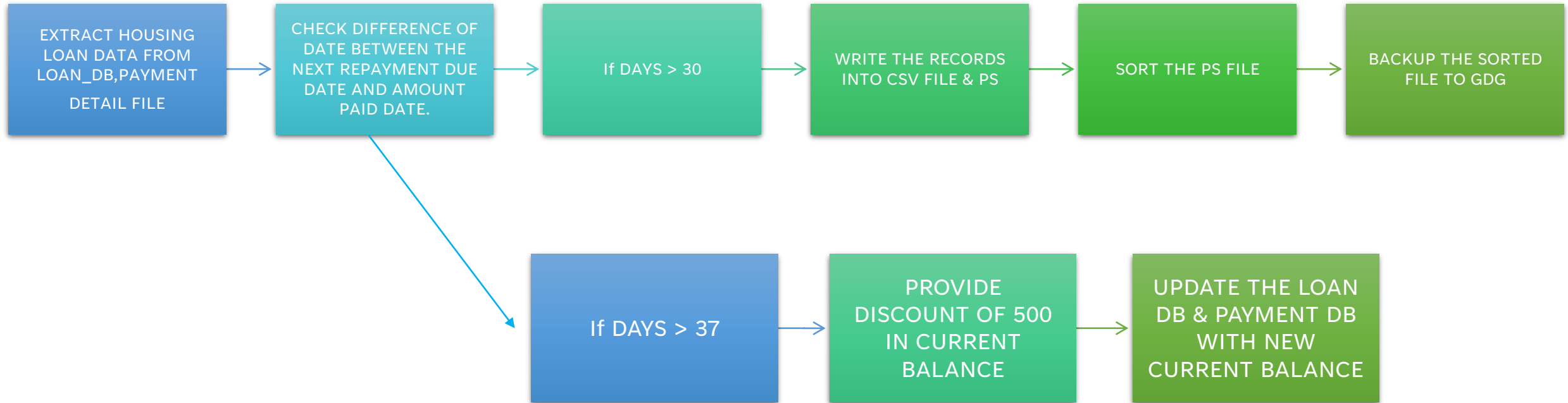


Abstract geometric lines in black on a white background, forming various overlapping polygons and shapes, primarily concentrated on the left side of the slide.

FINAL PROJECT JCL, COBOL & DB2

PRESENTATION BY: NIKHIL MAURYA

COBOL1



COBOL2



| PAYMENT DETAIL REPORT | | | |
|-------------------------|-------|-----------------|------------|
| <u>DATE</u> : CCYYMMDD | | Page : 1 | |
| <u>Time</u> : HH:MM:SS | | Report ID:1004 | |
| APPLICANT ID | NAME | CURRENT BAL AMT | <u>AMT</u> |
| ----- | ----- | ----- | ----- |
| ----- End of Page ----- | | | |

| Page:2 | | | |
|-------------------------|-------|-----------------|-----------------|
| Report ID:1004 | | | |
| APPLICANT ID | NAME | CURRENT BAL AMT | <u>AMT PAID</u> |
| ----- | ----- | ----- | ----- |
| ----- End of Page ----- | | | |

| Page:3 | | | |
|---------------------------|-------|-----------------|-----------------|
| Report ID:1004 | | | |
| APPLICANT ID | NAME | CURRENT BAL AMT | <u>AMT PAID</u> |
| ----- | ----- | ----- | ----- |
| ----- End of Page ----- | | | |
| ***** END OF REPORT ***** | | | |

JCL01

STEP 1

TAKE INPUT PS
AND SORT TO
OUTPUT PS

STEP 2

DEFINE GDG
CLUSTER

STEP 3

BACKUP RECORDS
FROM SORTED PS
TO GDG



OPEN

OUTPUT FILES AND CURSOR

- OPENS AND OUTPUT PS AND CSV FILE AND CURSOR TO RETRIEVE DATA
- PROGRAM TERMINATES IF OPEN FAILS

FETCH

FETCH RECORDS FROM TABLES

- FETCHES RECORDS FROM TABLE INTO HOST VARIABLES BASED ON THE SELECT CONDITION

PROCESS

THE RECORDS

- CONVERTS THE DATES INTO INTEGER DATE FORM (NO. OF DAYS FROM 31/12/1600)
- CALCULATES DIFFERENCE OF DATE BETWEEN THE NEXT REPAYMENT DUE DATE AND AMOUNT PAID DATE.
- IF DAYS ARE GREATER THAN 30 IT WRITES THE RECORDS INTO SORT PS FILE.

UPDATE

UPDATES LOAN AND PAYMENT DB

- UPDATES LOAN AND PAYMENT DB BY PROVIDING DISCOUNT OF 500 TO ELIGIBLE APPLICANTS

CSV

WRITES THE RECORDS INTO CSV FILE

- CHECKS IF DAYS ARE GREATER THAN 30 IF GREATER THAN 30 WRITES TO CSV PS FILE

CLOSE

OUTPUT FILES AND CURSOR

- CLOSES CURSOR , OUTPUT PS AND CURSOR

TERMINATE

THE COBOL PROGRAM.

OPEN

OUTPUT FILES AND CURSOR

- OPENS REPORT FILE AND CURSOR TO RETRIEVE DATA
- PROGRAM TERMINATES IF OPEN FAILS

FETCH

FETCH RECORDS FROM TABLES

- FETCHES RECORDS FROM TABLE INTO HOST VARIABLES BASED ON THE SELECT CONDITION

CHECK

THE CONDITIONS AND CREATES LAYOUT

- CHECK FOR CONDITIONS LIKE PAGE NUMBER, LINE COUNT AND SQL CODES
- MOVES THE HEADERS AND TRAILERS LAYOUT INTO THE OUTPUT LAYOUT VARIABLES
- WRITES THE HEADERS AND TRAILERS INTO OUTPUT

RECORD

ARE MOVED INTO LAYOUT

- DATA IS MOVED INTO OUTPUT LAYOUT

WRITE

THE RECORD INTO REPORT PS

- WRITES THE RECORD TO OUTPUT PS WHENEVER CALLED

CLOSE

OUTPUT FILES AND CURSOR

- CLOSES CURSOR , OUTPUT PS AND CURSOR

TERMINATE

THE COBOL PROGRAM.

File Edit Edit_Settings Menu Utilities Compilers Test Help

| EDIT | TECN165.FINAL.LOAN.DB.PS | | | | Columns 00001 00072 | | | | | | |
|---|--------------------------|----|-----------|-----------|---------------------|------------|------|-------|----|-----------|--|
| ***** | ***** | | | | Top of Data | ***** | | | | | |
| 000100 | 10000000001 | 01 | HOUSING | 010000000 | 2011-05-15 | 05 | 10.0 | OPEN | 15 | 001500000 | |
| 000200 | 10000000002 | 01 | HOUSING | 020000000 | 2012-05-09 | 05 | 15.0 | OPEN | 25 | 003500000 | |
| 000300 | 10000000003 | 02 | BUSINESS | 033000000 | 2013-06-14 | 02 | 05.0 | OPEN | 12 | 003630000 | |
| 000400 | 10000000004 | 01 | HOUSING | 000400000 | 2014-07-10 | 03 | 10.0 | OPEN | 25 | 000052000 | |
| 000500 | 10000000005 | 01 | HOUSING | 050300000 | 2015-05-15 | 05 | 06.0 | OPEN | 05 | 000039000 | |
| 000600 | 10000000006 | 02 | BUSINESS | 060300000 | 2016-05-09 | 08 | 10.0 | OPEN | 15 | 001134000 | |
| 000700 | 10000000007 | 01 | HOUSING | 070040000 | 2017-06-14 | 03 | 08.0 | OPEN | 09 | 008684960 | |
| 000800 | 10000000008 | 01 | HOUSING | 084000000 | 2013-07-10 | 01 | 10.0 | OPEN | 15 | 092490000 | |
| 000900 | 10000000009 | 03 | CAR | 090000000 | 2012-05-15 | 02 | 07.0 | OPEN | 15 | 009126000 | |
| 001000 | 10000000010 | 01 | HOUSING | 000820000 | 2011-05-09 | 02 | 10.0 | OPEN | 30 | 000098400 | |
| 001100 | 10000000011 | 01 | HOUSING | 010330000 | 2015-06-14 | 04 | 07.0 | OPEN | 17 | 001322240 | |
| 001200 | 10000000012 | 03 | CAR | 00010320 | 2016-05-15 | 06 | 20.0 | OPEN | 15 | 000022704 | |
| 001300 | 10000000013 | 01 | HOUSING | 000540000 | 2018-05-09 | 05 | 10.0 | OPEN | 14 | 000081000 | |
| 001400 | 10000000014 | 04 | EDUCATION | 000990000 | 2019-06-14 | 05 | 10.0 | OPEN | 15 | 000148500 | |
| 001500 | 10000000015 | 02 | BUSINESS | 040000000 | 2012-07-10 | 05 | 10.0 | OPEN | 13 | 006000000 | |
| 001600 | 10000000016 | 01 | HOUSING | 100000000 | 2011-11-15 | 05 | 10.0 | OPEN | 15 | 015000000 | |
| Command ==> _____ Scroll ==> <u>CSR</u> | | | | | | | | | | | |
| F1=Help | F2=Split | | F3=Exit | F5=Rfind | | F6=Rchange | | F7=Up | | | |
| F8=Down | F9=Swap | | F10=Left | F11=Right | | F12=Cancel | | | | | |
| -DSL1ST | *DSL1ST | | | | | | | | | | |

```
EDIT          TECN165.FINAL.LOAN.DB.PS          Columns 000001 00072
```

| Command ==> | | | | | Scroll ==> | | CSR |
|-------------|----------|----------|-----------|------------|------------|--|-----|
| F1=Help | F2=Split | F3=Exit | F5=Rfind | F6=Rchange | F7=Up | | |
| F8=Down | F9=Swap | F10=Left | F11=Right | F12=Cancel | | | |
| -PSLIST | *PSLIST | | | | | | |

| EDIT | TECN165.FINAL.PAYMENT.DETAIL | | | | | Columns 00001 00072 |
|--------|------------------------------|------------|----|------------|------------|---------------------|
| ***** | Top of Data | | | | | ***** |
| 000100 | ABC | 1000000001 | 01 | 0025000.00 | 2011-05-07 | |
| 000200 | MAXRETURN | 1000000002 | 01 | 0058333.33 | 2012-05-08 | |
| 000300 | GENUINE | 1000000004 | 01 | 0001444.44 | 2014-07-14 | |
| 000400 | HIGHSPEED | 1000000007 | 01 | 0241248.88 | 2017-06-15 | |
| 000500 | ABC | 1000000008 | 01 | 7707500.00 | 2013-07-12 | |
| 000600 | HIGHSPEED | 1000000010 | 01 | 0004100.00 | 2011-05-21 | |
| 000700 | GENUINE | 1000000011 | 01 | 0027546.66 | 2015-06-09 | |
| 000800 | MAXRETURN | 1000000013 | 01 | 0001350.00 | 2018-05-03 | |
| 000900 | ABC | 1000000016 | 01 | 0250000.00 | 2011-11-11 | |
| 001000 | GENUINE | 1000000017 | 01 | 0050416.00 | 2013-05-19 | |
| 001100 | HIGHSPEED | 1000000019 | 01 | 0035750.00 | 2019-12-15 | |
| 001200 | HIGHSPEED | 1000000020 | 01 | 0009316.66 | 2019-06-22 | |
| 001300 | ABC | 1000000024 | 01 | 0118750.00 | 2013-07-09 | |
| 001400 | GENUINE | 1000000025 | 01 | 0021600.00 | 2018-08-22 | |
| ***** | Bottom of Data | | | | | ***** |

| Command ==> | | | | | Scroll ==> | | CSR |
|-------------|----------|----------|-----------|------------|------------|--|-----|
| F1=Help | F2=Split | F3=Exit | F5=Rfind | F6=Rchange | F7=Up | | |
| F8=Down | F9=Swap | F10=Left | F11=Right | F12=Cancel | | | |
| -DSL | DSL | | | | | | |

File Edit Edit_Settings Menu Utilities Compilers Test Help

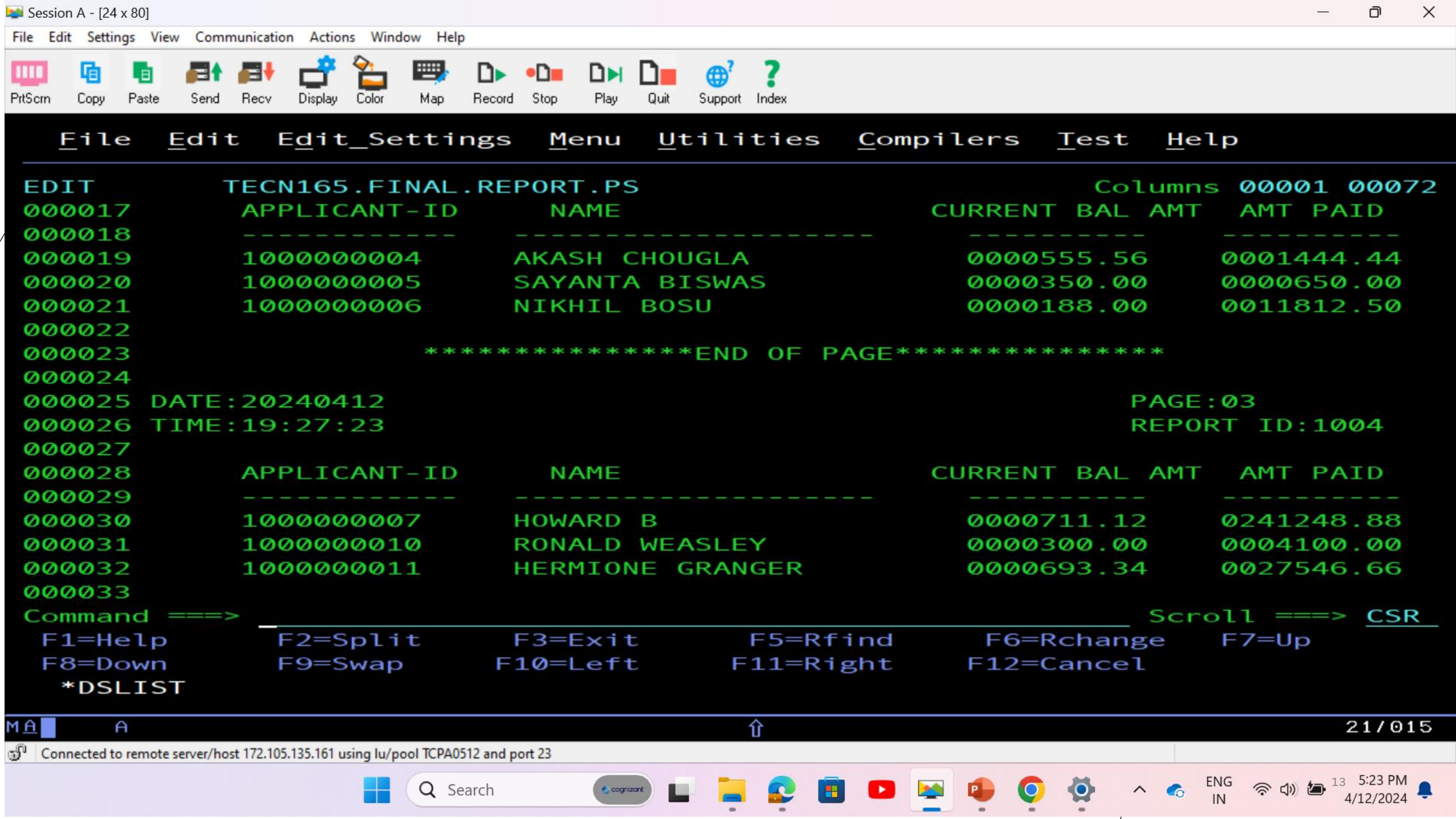
```
EDIT          TECN165.FINAL.REPORT.GDG.G0001V00          Columns 00001 00072
```

```

***** Top of Data *****
000001 20240409,1000000001,01,HOUSING,2011-06-15,0025000.00
000002 20240409,1000000002,01,HOUSING,2012-06-25,0058333.33
000003 20240409,1000000004,01,HOUSING,2014-08-25,0001444.44
000004 20240409,1000000008,01,HOUSING,2013-08-15,7707500.00
000005 20240409,1000000010,01,HOUSING,2011-06-30,0004100.00
000006 20240409,1000000011,01,HOUSING,2015-07-17,0027546.66
000007 20240409,1000000013,01,HOUSING,2018-06-14,0001350.00
000008 20240409,1000000016,01,HOUSING,2011-12-15,0250000.00
000009 20240409,1000000017,01,HOUSING,2013-06-25,0050416.66
000010 20240409,1000000019,01,HOUSING,2020-01-25,0035750.00
000011 20240409,1000000024,01,HOUSING,2013-08-15,0118750.00
000012 20240409,1000000025,01,HOUSING,2018-09-30,0021600.00
***** Bottom of Data *****

```

| Command ==> | Scroll ==> | | | | | CSR |
|-------------|------------|----------|-----------|------------|-------|-----|
| F1=Help | F2=Split | F3=Exit | F5=Rfind | F6=Rchange | F7=Up | |
| F8=Down | F9=Swap | F10=Left | F11=Right | F12=Cancel | | |
| *DSL | | | | | | |



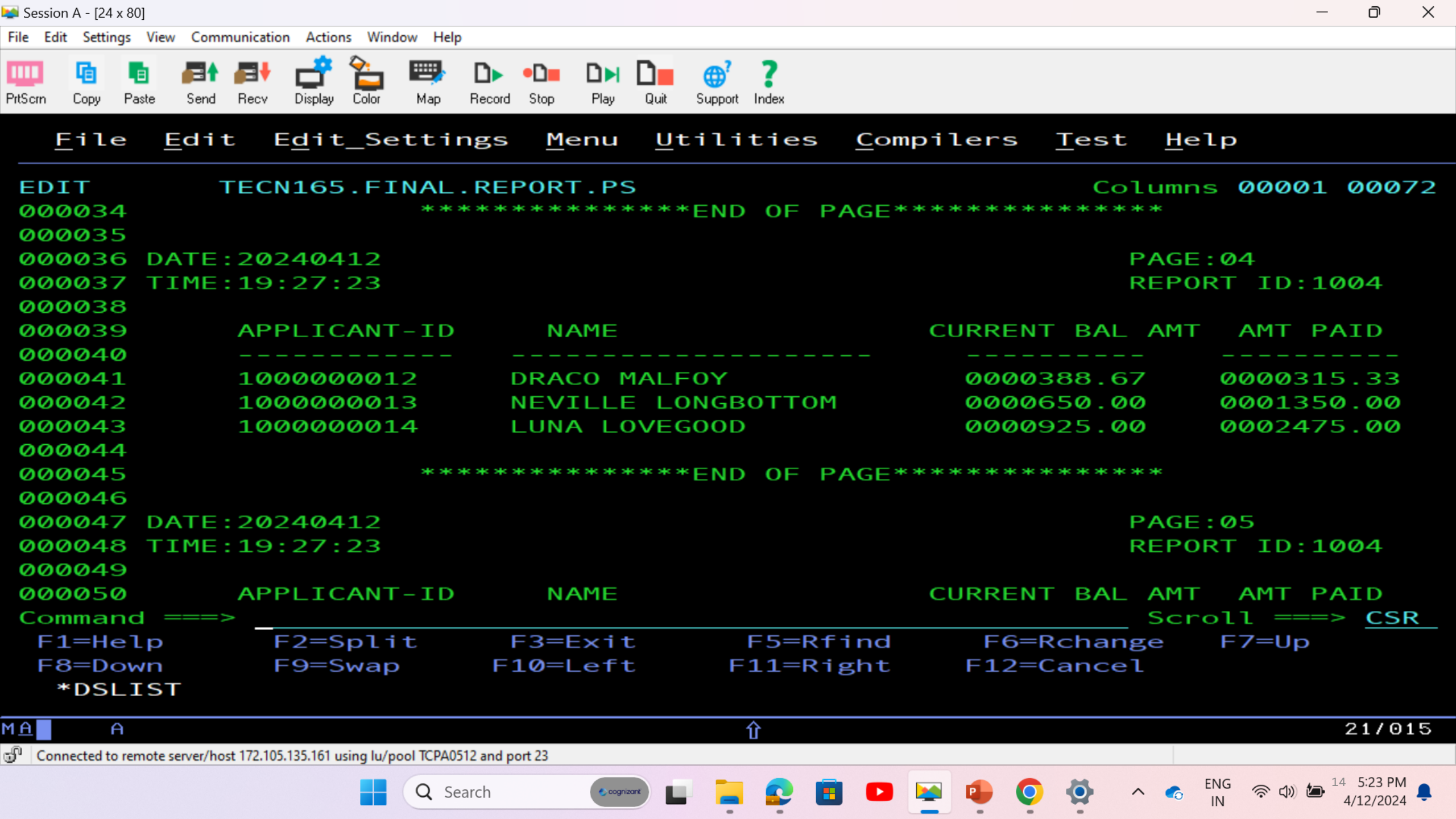
File Edit Edit_Settings Menu Utilities Compilers Test Help

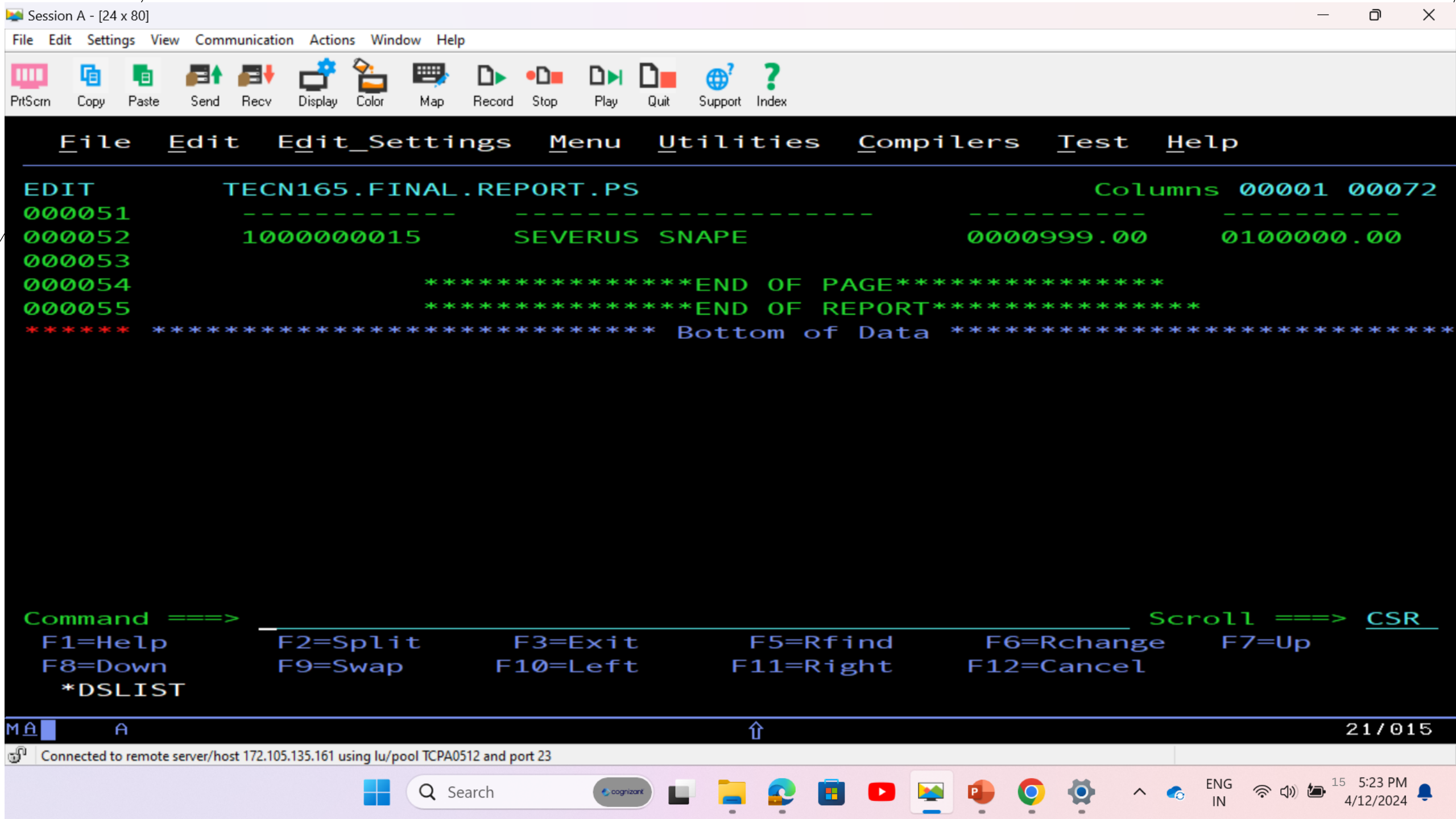
```
EDIT          TECN165.FINAL.REPORT.PS          Columns 00001 00072
000017        APPLICANT-ID          NAME          CURRENT BAL AMT  AMT PAID
000018        -----
000019        10000000004          AKASH CHOUGLA          0000555.56      0001444.44
000020        10000000005          SAYANTA BISWAS          0000350.00      0000650.00
000021        10000000006          NIKHIL BOSU           0000188.00      0011812.50
000022
000023        *****END OF PAGE*****
000024
```

```
000025 DATE:20240412          PAGE:03
000026 TIME:19:27:23          REPORT ID:1004
000027
```

```
000028        APPLICANT-ID          NAME          CURRENT BAL AMT  AMT PAID
000029        -----
000030        10000000007          HOWARD B           0000711.12      0241248.88
000031        10000000010          RONALD WEASLEY          0000300.00      0004100.00
000032        10000000011          HERMIONE GRANGER          0000693.34      0027546.66
000033
```

```
Command ==>          Scroll ==> CSR
F1=Help          F2=Split          F3=Exit          F5=Rfind          F6=Rchange          F7=Up
F8=Down          F9=Swap          F10=Left          F11=Right          F12=Cancel
*DSLIST
```





```
Session A - [24 x 80]
File Edit Settings View Communication Actions Window Help
PrtScr Copy Paste Send Recv Display Color Map Record Stop Play Quit Support Index

File Edit Edit_Settings Menu Utilities Compilers Test Help

EDIT TECN165.FINAL.REPORT.PS Columns 00001 00072
000051 -----
000052 1000000015 SEVERUS SNAPE 0000999.00 0100000.00
000053
000054 *****END OF PAGE*****
000055 *****END OF REPORT*****
***** Bottom of Data *****

Command ==> Scroll ==> CSR
F1=Help F2=Split F3=Exit F5=Rfind F6=Rchange F7=Up
F8=Down F9=Swap F10=Left F11=Right F12=Cancel
*DSLIS

MA A 21/015
Connected to remote server/host 172.105.135.161 using lu/pool TCPA0512 and port 23
5:23 PM 4/12/2024
```

Abstract geometric lines in the top right corner of the slide, consisting of two thin black lines intersecting to form a triangular shape.

THANK YOU