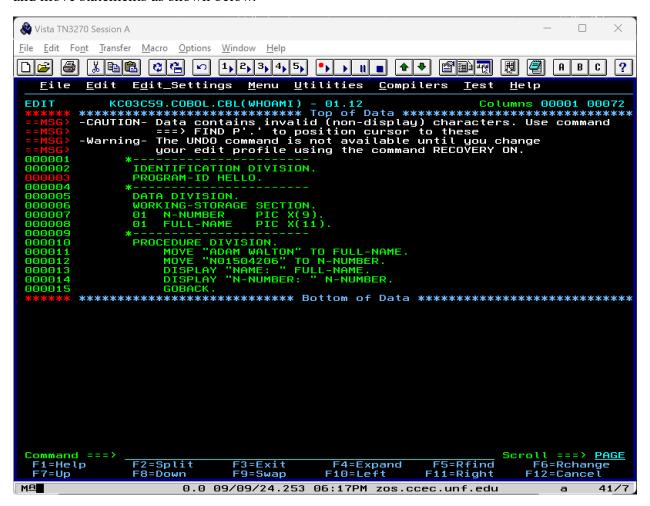
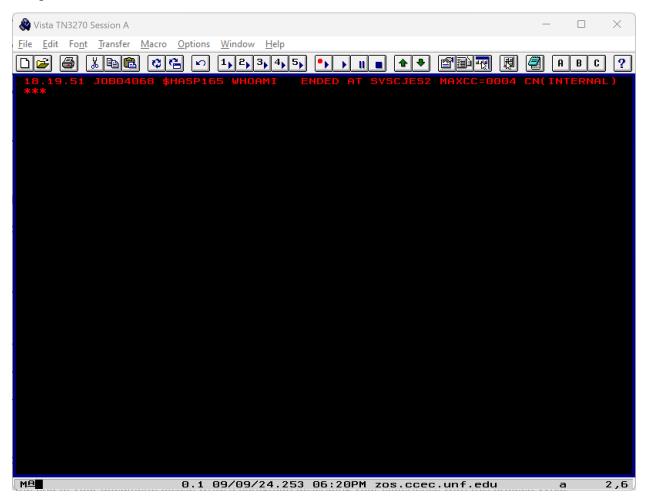
Step 1: Modifying the COBOL program.

After logging in the mainframe and accessing my datasets through ISPF, I opened the COBOL dataset in edit mode and selected "WHOAMI". I then edited the provided code to include data and move statements as shown below.



Step 2: JCL compilation job results.

Afterwards, I saved my code and opened the JCL dataset in view mode. I then selected "WHOAMI" and typed in the commands "sub; =sd; st" to begin compiling and switch to the job list. After waiting a few seconds and pressing enter, the screen below popped up showing the compilation results.



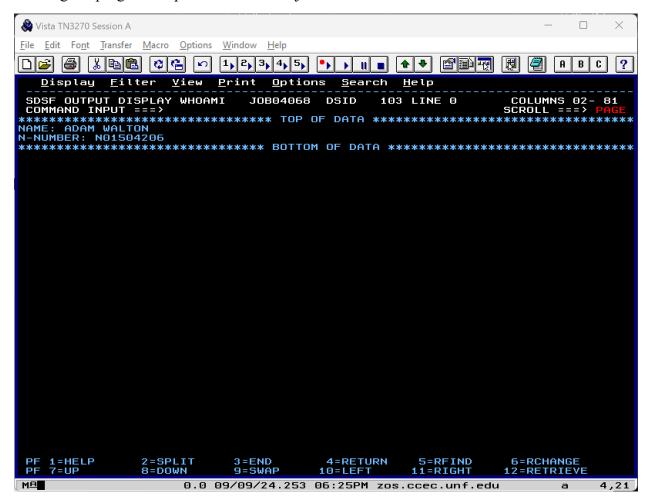
Step 3: Detailed compiler output.

Once the program was compiled, I selected my job on the job list screen to have it show the compiler output in full, as shown below.

```
Nista TN3270 Session A
     Edit Font Transfer Macro Options Window Help
<u>F</u>ilter
                                     <u>V</u>iew
                                                <u>P</u>rint
                                                              <u>O</u>ptions
                                                                               <u>S</u>earch
                                                                                              <u>H</u>elp
     <u>D</u>isplay
                                                                            DSID
                                                         J0B04068
                                                               TOP OF
L O G
                                   --- MONDAY, 09 SEP 2024 ---
IRR010I USERID KC03C59 IS ASSIGNED TO THIS JOB.
IEF677I WARNING MESSAGE(S) FOR JOB WHOAMI ISSUED
ICH70001I KC03C59 LAST ACCESS AT 18:08:14 ON MONDAY,
$HASP373 WHOAMI STARTED - INIT 1 - CLASS A
18.19.45
18.19.45
                J0804068
J0804068
18.19.47
18.19.47
18.19.51
                J0804068
J0804068
J0804068
                                                                                                                                         SEPTEMB
                                                                                                                                     (MINS.)-
                                                                                                                         IMINGS
18.19.51
18.19.51
18.19.51
                J0804068
J0804068
J0804068
                                   -STEPNAME PROCSTEP
-COBRUN COBOL
-COBRUN LKED
                                                                             RC
04
00
                                                                                      EXCP
                                                                                                                         TCB
.00
                                                                                                    CONN
                                                                                                                                            .00
18.19.51
18.19.51
18.19.51
                                                                     00
NAME-
ENDED -
               J0804068
J0804068
                                   -GO
-WHOAMI
                                                                                                                          00
                                                                                                                                             00
               JOB04068 -WHOAMI ENDED. NAME-
JOB04068 $HASP395 WHOAMI ENDED - RC=006
ES2 JOB STATISTICS -----
2024 JOB EXECUTION DATE
6 CARDS READ
525 SYSOUT PRINT RECORDS
0 SYSOUT PUNCH RECORDS
34 SYSOUT SPOOL KBYTES
0.09 MINUTES EXECUTION TIME
1 //WHOAMI JOB 1,NOTIFY=&SYSUID
IEFC653I SUBSTITUTION JCL - 1,NOTIFY=KC03
2 //COBRUN EXEC IGYWCL
3 XXIGYWCL PROC LNGPRFX='IGY630',
XX LIBPRFX='CEE',
XX PGMLIB='&&GOSET',GOPGM=GO
XXX*
                                                      ENDED.
                                                                                                                       TOTAL TCB CPU TIM
                                                                                    RC=0004
   09 SEP 20
                                                                      1,NOTIFY=KC03C59
                  5655-EC6 COPYRIGHT IBM CORP.
2-SPLIT 3-END 4-R
8-DOWN 9-SWAP 10-L
                                                                           RP. 1983,
4=RETURN
       1=HELP
                                                                                                  5=RFIND
                                                                                                                       6=RCHANGE
12=RETRIEVE
                                                                         10=LEFT
                                                                                                11=RIGHT
                                        0.0 09/09/24.253 06:24PM zos.ccec.unf.edu
                                                                                                                                              4,21
```

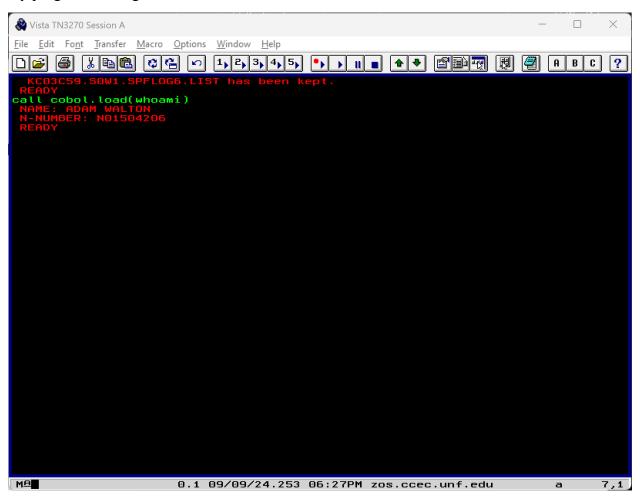
Step 4: Batch run output.

I then went back to the job list and typed "?" in front of my job to see a list of sections from the compiler output. Upon selecting the "sysout" option, the following screen was displayed showing the program output from when the job was ran.



Step 5: Program output from tso command line (ready prompt).

Finally, I exited out of ISPF to the command line, and entered the command shown below to run my program once again.



Comments:

Overall, I didn't struggle too much with this project. I was able to figure out how to create my code, compile, and run it using some examples in the textbook and watching the zoom recording. One thing I did get confused by was thinking the line numbers in the editor represented columns 1-6 of my COBOL program since they are typically for line numbers, which caused errors when compiling since I was starting my lines on column 1 instead of column 7. I was able to correct this by looking at some other examples in my COBOL dataset without asking for assistance. This project has helped me learn how to use the data division in a COBOL program as well as run my code, and better understand how I need to structure my code to ensure I'm putting the right things in the right columns on each line of code.