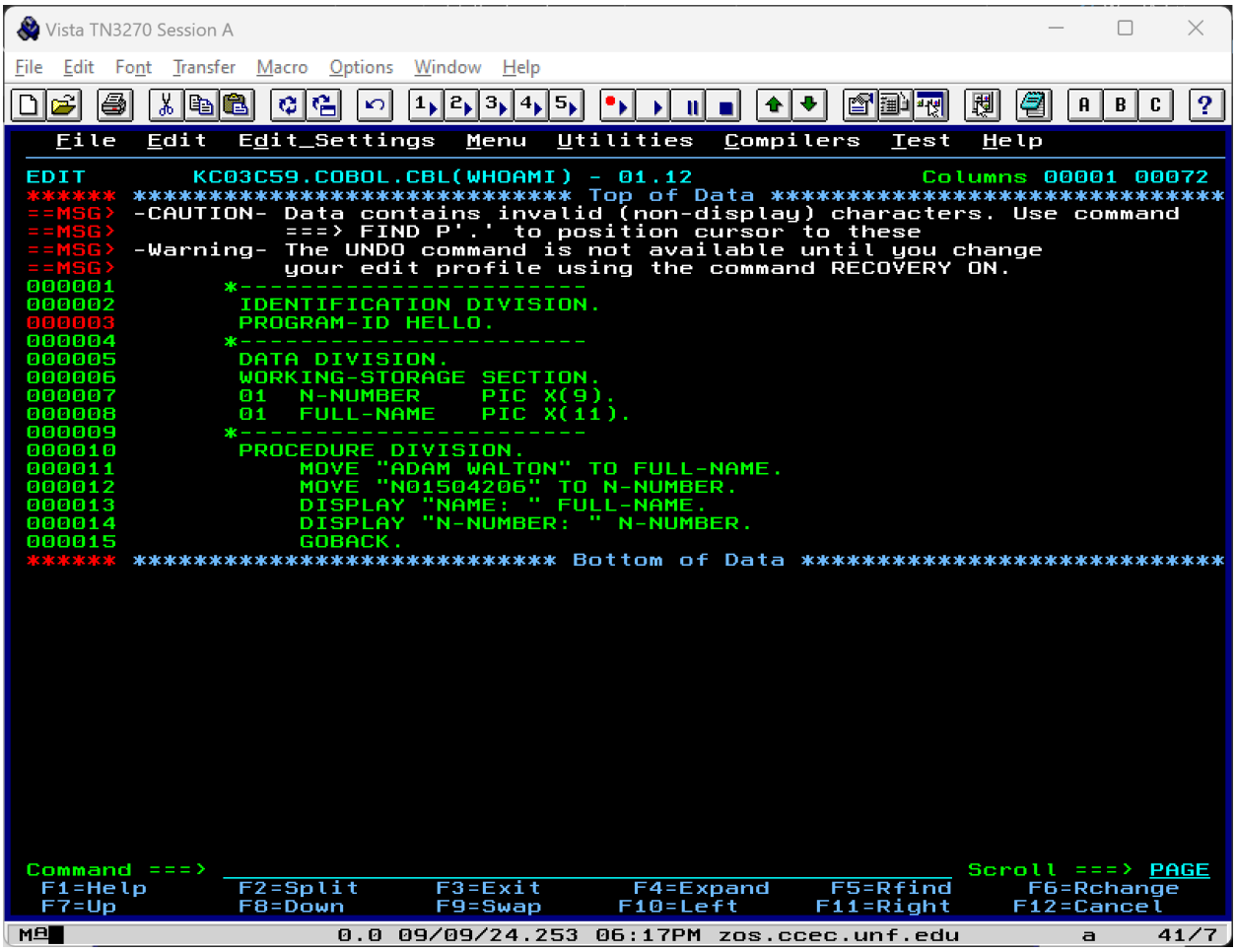
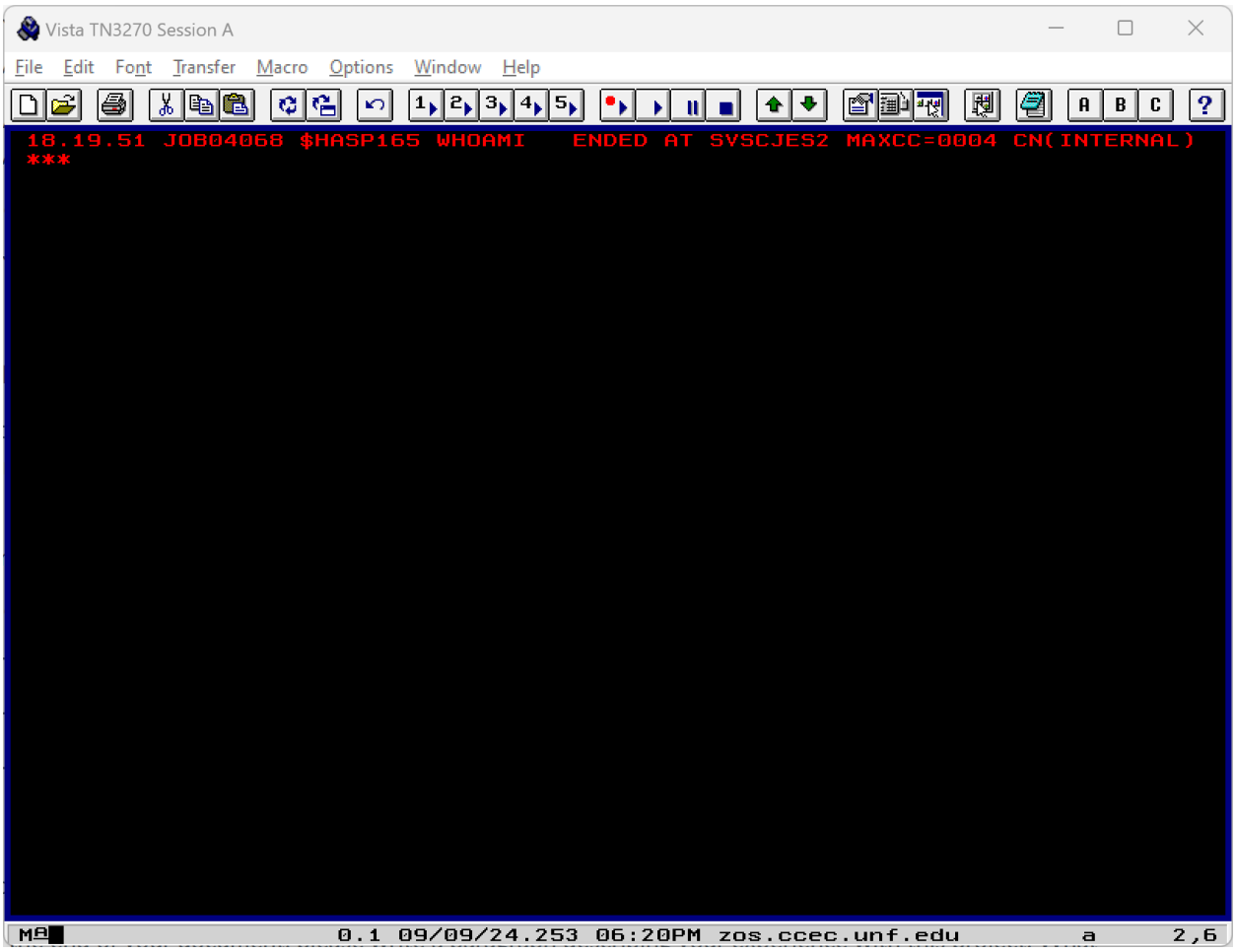
Step 1: Modifying the COBOL program.

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.



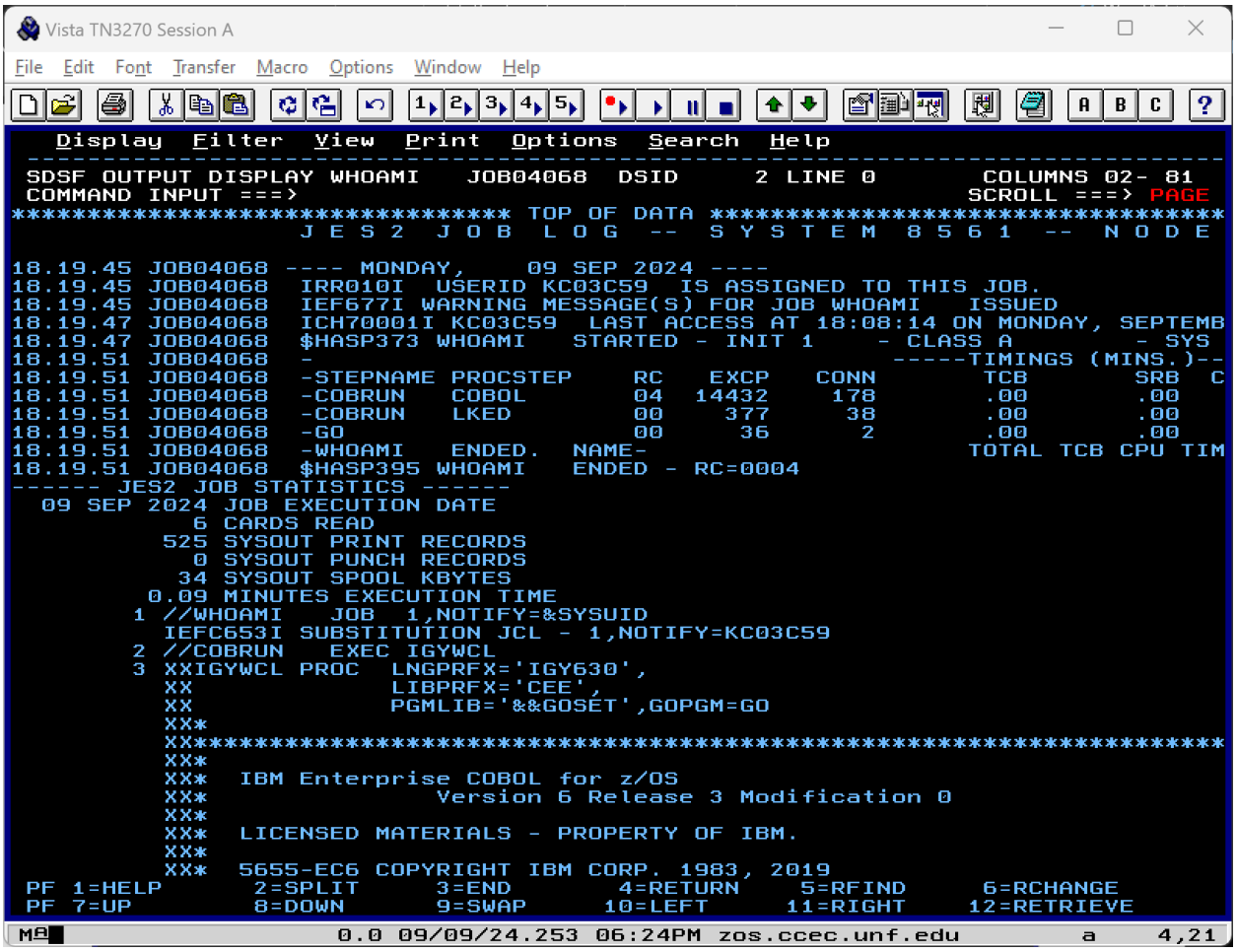
Step 2: JCL compilation job results.

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.



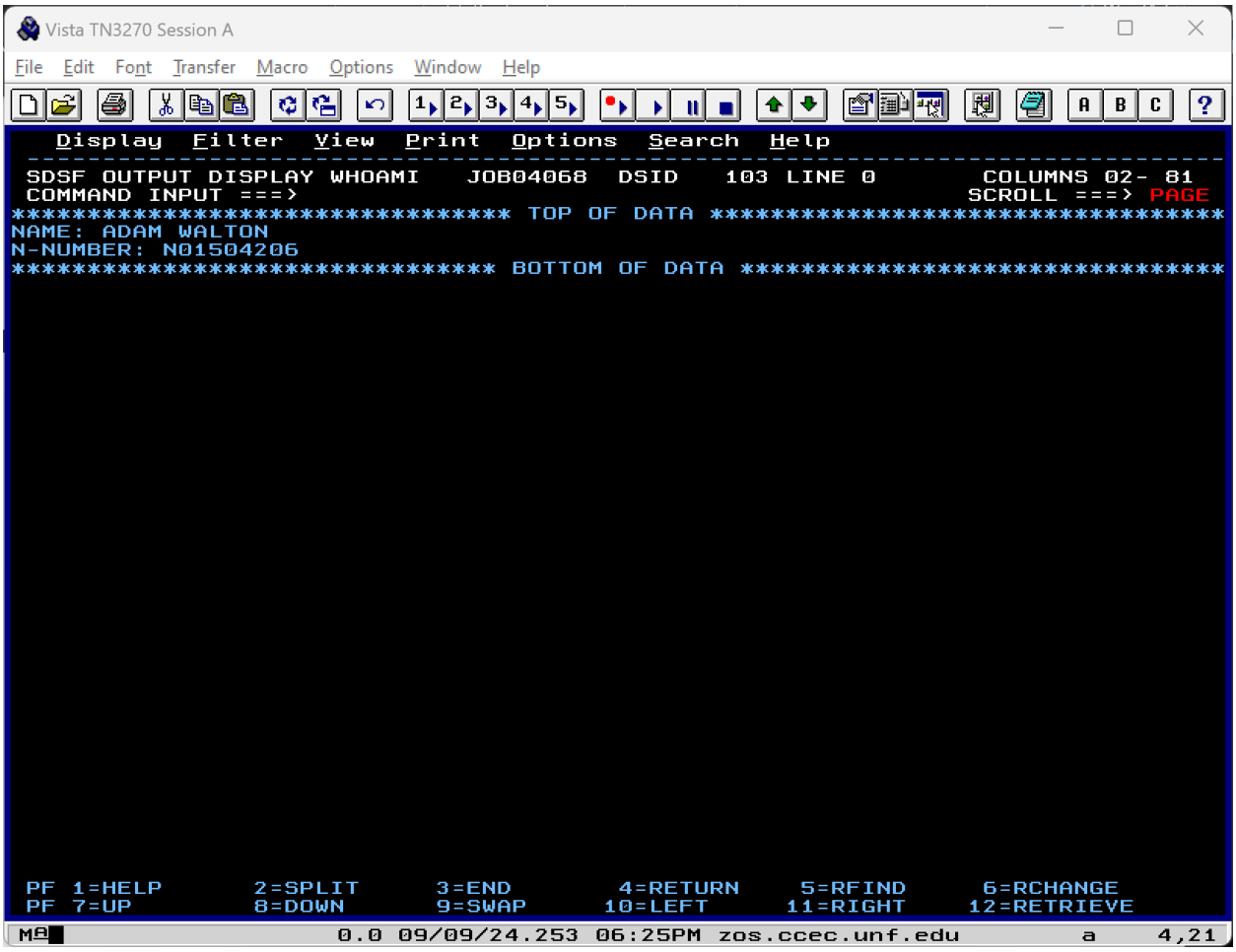
Step 3: Detailed compiler output.

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.



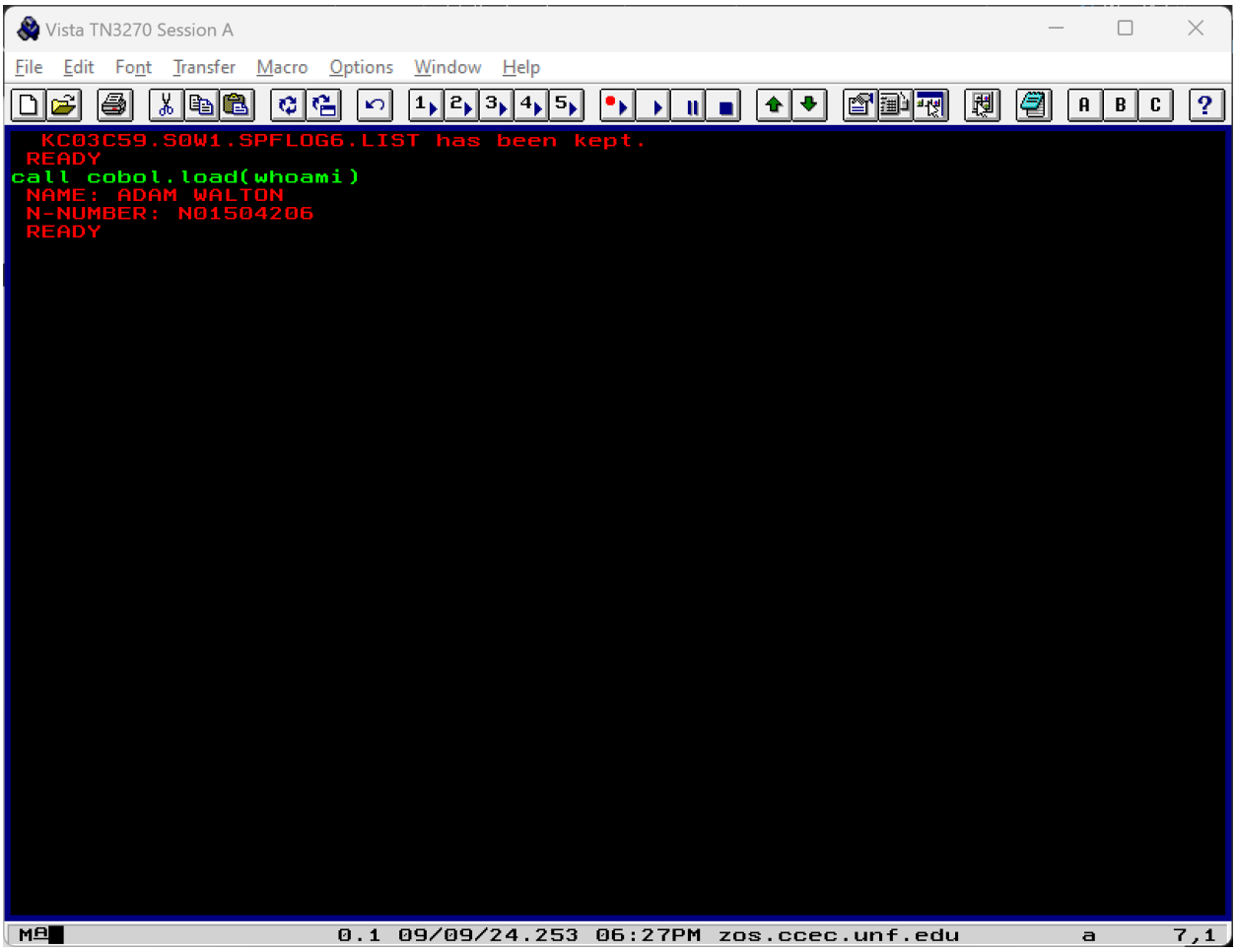
Step 4: Batch run output.

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.