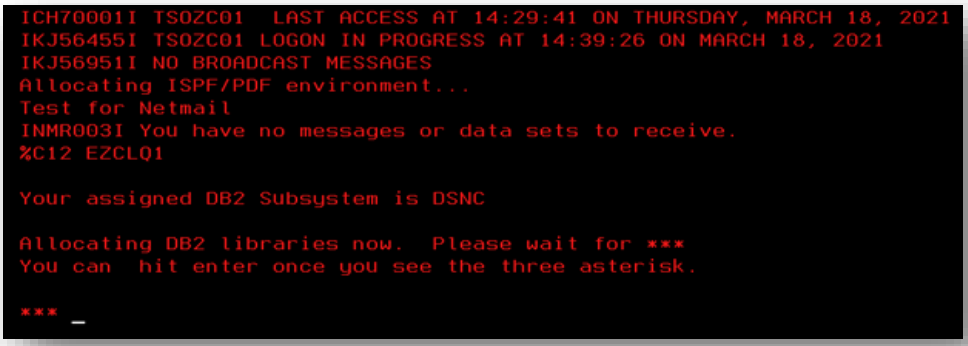
COBOL Basics Lab 3

GOALS:

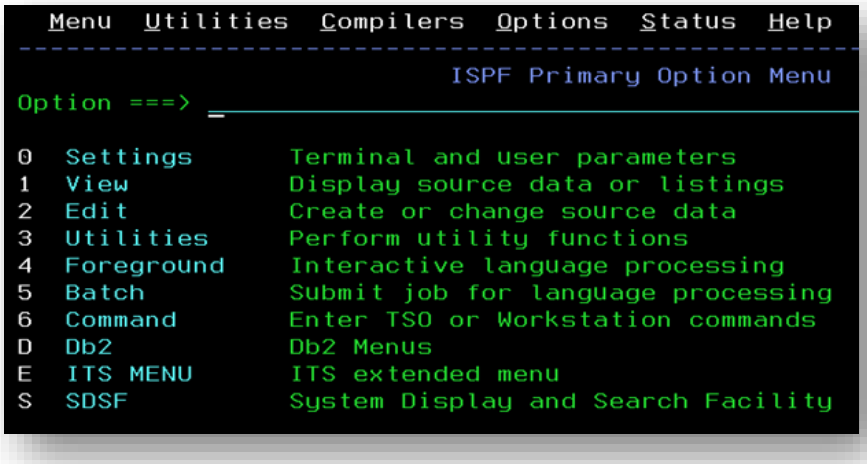
- Sign on to the mainframe, navigate the ISPF Primary Option Menu to find the dataset containing JCL (yourID.JCL.CNTL).
- Go into EDIT with the JCL member LAB3, Submit the JCL to the system.
- Note whether or not the return code is zero or not.
- If the return code is zeroes, go to SDSF and view the results. Then navigate out and sign off.

Step-by-step:

1. Sign on with your **ID** and **PASSWORD**, the press **ENTER** when you see this:

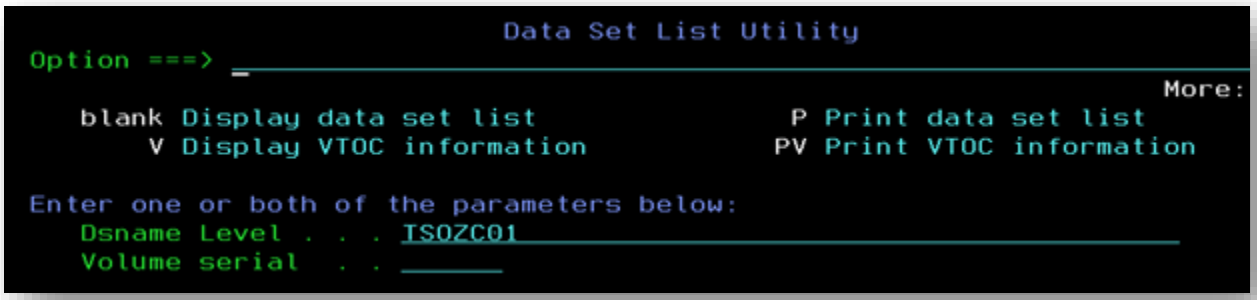


2. Press **ENTER** again to get to the **ISPF Primary Option Menu**:

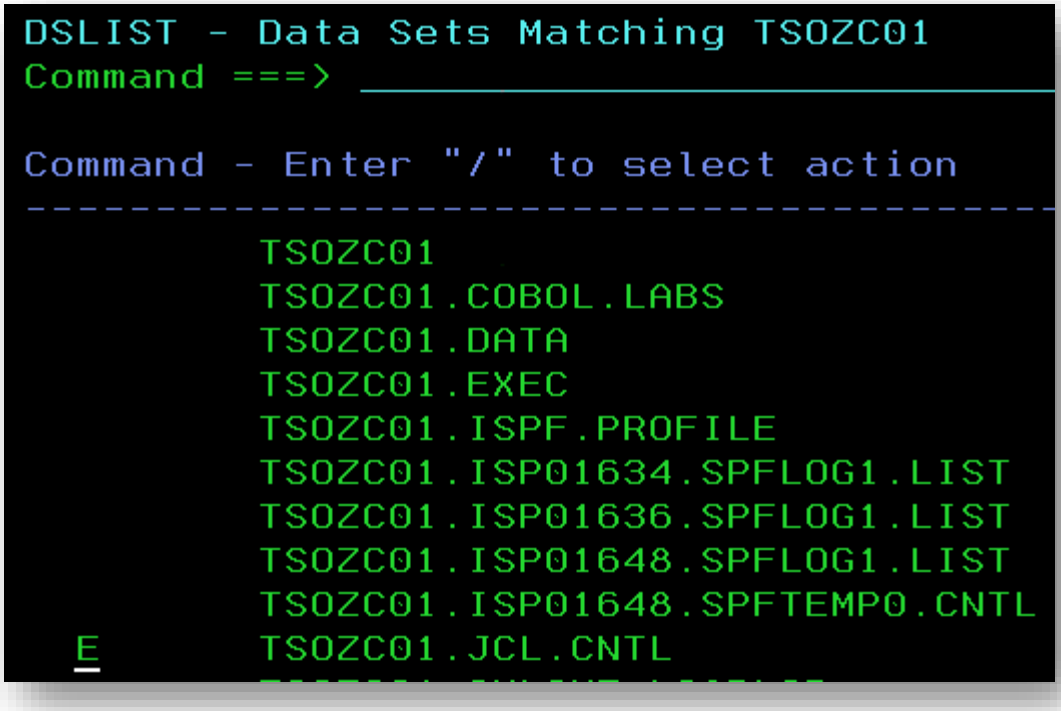


The cursor is near the top, to the right of the work **Option**.

3. To retrieve the JCL type **3.4** and then press **ENTER**. This will take you to the **Data Set List Utility**. Your **ID** is shown in the middle, to the right of the words **Dsname Level**.

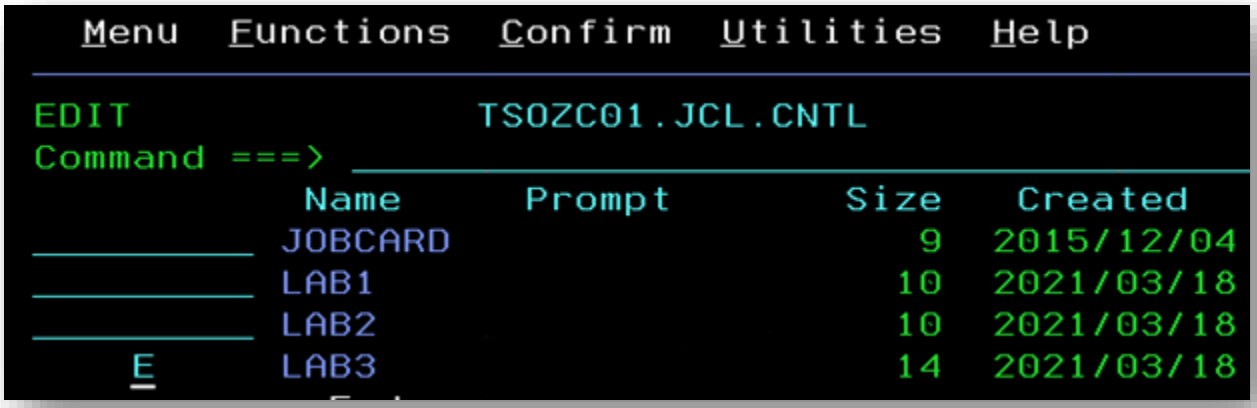


4. Now press the **ENTER** key, and you will see a list of all your data sets.

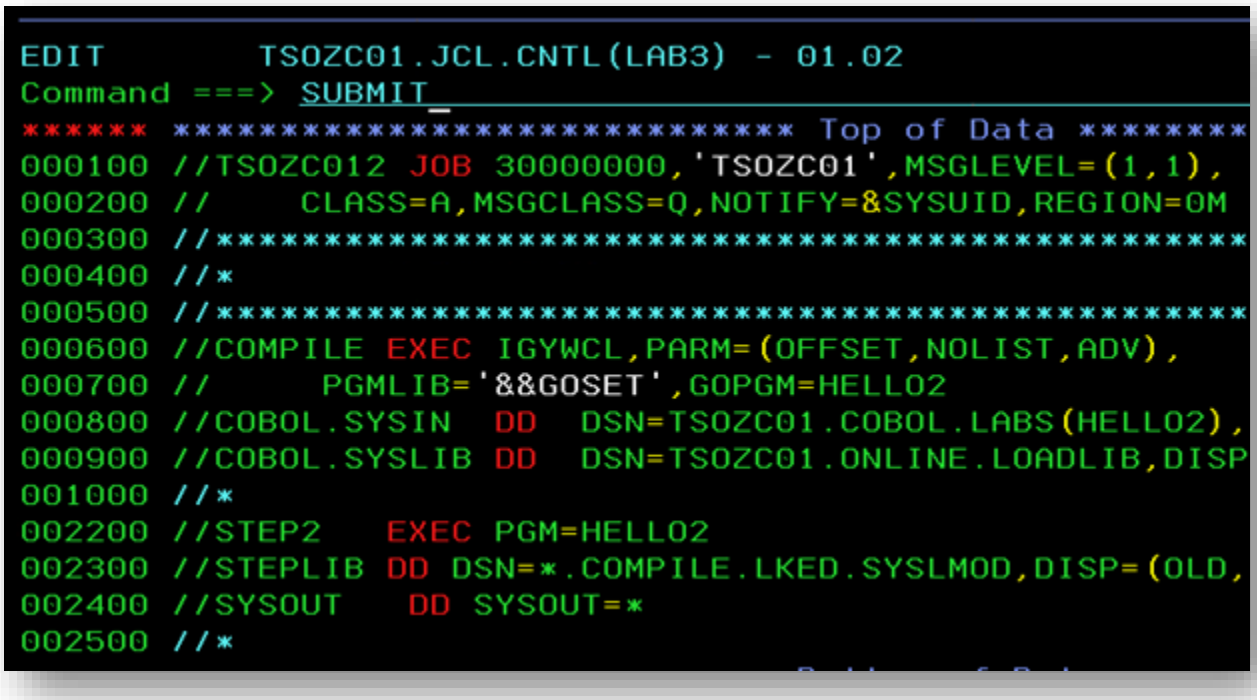


The list of datasets reveals one by the name of **TSOZC01.JCL.CNTL**. The first part of the name (TSOZC01) is likely to be different, as each student will have a unique ID. Don't worry about this!

5. Place your cursor to the left of the **TSOZC01.JCL.CNTL** dataset and type **E**, then press the **ENTER** key. This will take you to a list of JCL members!



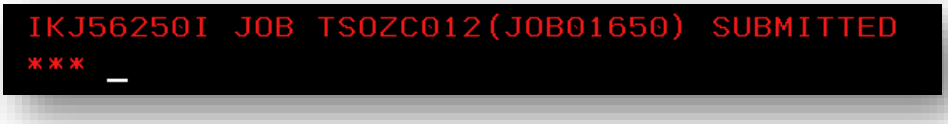
6. Place your cursor to the left of the **LAB3** JCL and type **E**.
7. Then press the **ENTER** key. This will take you to the JCL statements!



This JCL has 2 steps. The first one, on line **600**, is named **COMPILE**. This step is going to compile and link the **HELLO2** program.

The second step is at line **2200** and is named **STEP2**. This step will run the **HELLO2** program, and put the results at a location called **SYSOUT** on line **2400**.

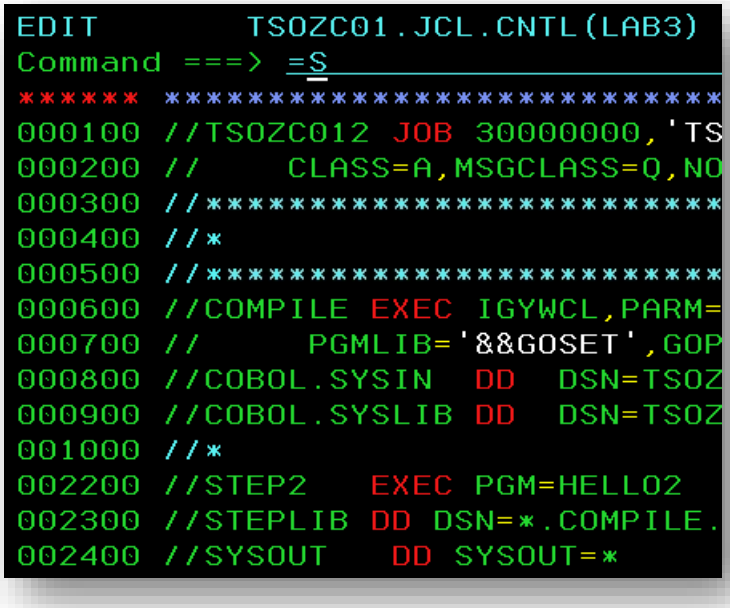
8. What do we need to do next? SUBMIT (which can be SUB) the job to the system so it can run! So – please type **SUBMIT** (or **SUB**) on the command line at the top.
9. Press **ENTER.** This will show that the JOB has been submitted, and provides us with the JOB name and the JOB number!



10. When you press the **ENTER**, you will then see this:

We hope the MAXCC will use the numbers 0000 again. That means everything is fine! If that is not the case, you (and perhaps some friends) will need to find out why – hint: often times it is a spelling error of some kind.

11. Press **ENTER** again and we are taken back to the JCL named **LAB3**:



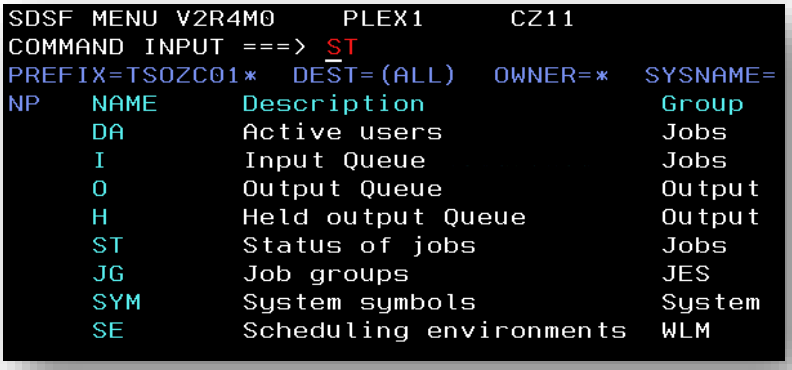
You have signed on, navigated the *Primary Option Menu* to find the *LAB3 JCL*, then submitted it as a *Job* to the system. How does someone learning *COBOL* view the results? It requires a journey to an application called SDSF.

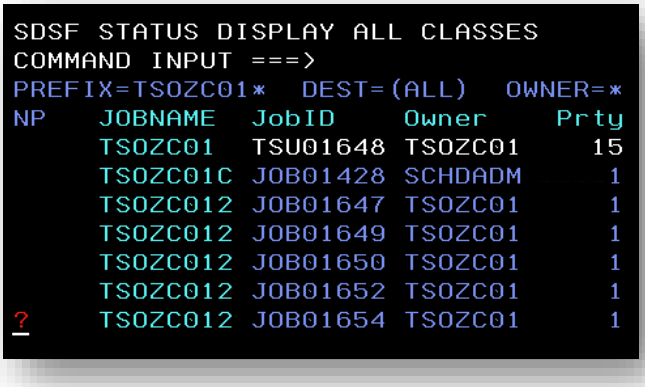
12. To get there, we do *NOT* use the letter *X*. We type **=S**, which enters the **System Display and Search Facility (SDSF)**.

Note: There's a lot to SDSF, allow yourself time to explore.

13. Type **ST** and press **ENTER**.

This will show us the status of our job that we just submitted.



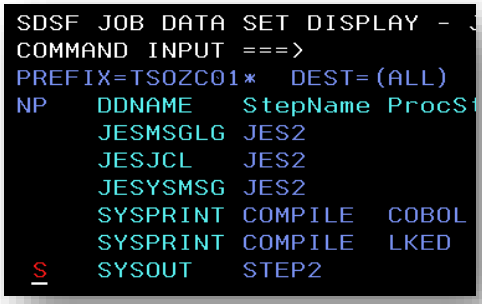


The first entry in the list tells us about our TSO ID, and that it is running:

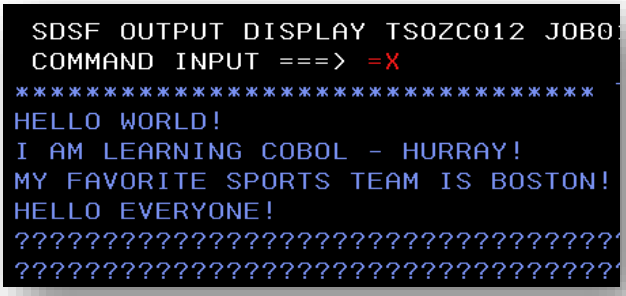
The entries after this are all the jobs that were submitted to the system by this TSO ID's session.

The last one, **JobID** number **01654** is the latest job, the one we just submitted. Notice, I have placed a question mark (?) next to it (there are other letters I could use, such as S, but we will use this method for now).

14. When we press **ENTER**, we will see something like this:



15. The last line is what we will focus on now. Notice, the letter **S** has been placed to the left of the last line. Press **ENTER** and we see:



Yes, this is showing what we put in our COBOL program in the previous lab!

16. To leave, SDSF, we will use the **=X** method again, which will take us to TSO mode. Remember, type in **X** (or type the word **EXIT**), press **ENTER** and you will be logged off.

Congratulations! You signed on to mainframe, navigated the Primary Option Menu to find the dataset containing JCL (yourID.JCL.CNTL). You went into EDIT with the JCL member LAB3, and submitted the JCL to the system. Hopefully, your return code was zero. Then you went to SDSF to view the output results, then navigate out and sign off.

We are finished now!