**Assignment 2a – Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Due: xxxxx (10 points)**

Background:

Read sections 1, 2, 3.1, 3.2.1 and 3.3 of zconcepts.pdf

Read the Colacem Case Study : SAP on Linux on a Mainframe! The Colacem Case Study -- Posted on BlackBoard under the Readings folder. Be prepared to discuss this case in class.

Active Learning:

Open up MS Word and use it to copy and paste screens to verify you have completed each step of the exercise as noted below. Note that holding down the alt key and pressing the PrintScreen key will copy the current window into the clipboard which can be pasted into word. ***Also—you may want to reduce the screen size to allow it to fit on a page.*** If you have access to a better system of capturing part of a screen, you are encouraged to use it. Use the minimum number or screen captures necessary to verify the exercise has been completed. Put the number of the Exercise above the screen capture—for example, for step 2 take 3 screen shots – one for each PDS with its two members.

**(15 Points) Working with files (PDS) – creating; adding, copying and deleting members**

1. If you do not already have these PDSs, create them
   1. acctid.practice.data
   2. acctid.work.COBOL
   3. acctid.work.data
   4. acctid.work.compiles

Specify each PDS using tracks with 5 primary and 2 secondary.

1. Using the ISPF editor, create three files in the acctid.practice.data PDS

**Capture a screen shot showing the members is in the PDS**

1. Copy all the files from the acctid.practice.data PDS to the acctid.work.data PDS

**Capture a screen shot showing the members of the PDS acctid.work.data**

1. Upload the file Simple located on Blackboard under Course Documents > Z/OS Reference Materials to the PDS acctid.work.compiles. (you will have to save the file to your hard drive first.)

**Capture a screen shot showing the member is in the PDS**

1. Delete two of the members in the acctid.practice.data that you created in step 2

**Capture a screen showing the members have been deleted**

1. Assume when you created your acctid.work.Cobol PDS, you assigned a quite small space as you didn’t expect to put many files there. Now, however you realize that the PDS is out of space and you need more disk space. To get more disk space, do this:
2. Create a PDS named acctid.work.Backup

**Capture a screen shot showing the PDS has been allocated**

1. Copy all the members of the acctid.work.Cobol PDS to the newly created useried.work.Backup PDS

**Capture a screen shot showing all members in the backup PDS**

1. Delete the acctid.work.Cobol PDS

**Capture a screen shot showing the PDS has been deleted.**

1. Recreate the acctid.work.Cobol PDS giving it 5 more tracks than before

**Capture the screen shot showing the PDS has been allocated**

1. Copy all the members of the acctid.work.backup PDS to your recreated acctid.work.Cobol PDS.

**Capture a screen shot showing all members in the Cobol PDS.**

1. Verify that all the members were copied
2. Delete the acctid.work.Backup PDS

**Capture a screen shot showing the PDS has been deleted.**

**ISPF Editing Exercise (15 points)**

Capture screen shots as indicated below after steps 1, 5, and 8.

**Step 1:**

Create a new file in the acctid.practice.data PDS with the following text. **Do NOT type in the line numbers! They are only included to make it easier for you to see the results you should be achieving.**

1. ISPF (Interactive System Productivity Facility)

2. is a robust development tool set for the z/OS operating system

3. ISPF can be seen as an extension to TSO

4. TSO (Time Sharing Option) is IBM’s mainframe

5. time-sharing operating system.

**Capture a screen shot**

**Step 2:** Move lines 4 and 5 before line 1—should appear as below

1. TSO (Time Sharing Option) is IBM’s mainframe

2. time-sharing operating system.

3. ISPF (Interactive System Productivity Facility)

4. is a robust development tool set for the z/OS operating system

5. ISPF can be seen as an extension to TSO

**Step 3:** Insert 2 lines after line 2 and type your first and last names on the new lines as shown—file should appear as below

1. TSO (Time Sharing Option) is IBM’s mainframe

2. time-sharing operating system.

3. your **first name** here.

4. your **last name** here.

5. ISPF (Interactive System Productivity Facility)

6. is a robust development tool set for the z/OS operating system

7. ISPF can be seen as an extension to TSO

**Step 4:** repeat line 7 five times—should appear as below

1. TSO (Time Sharing Option) is IBM’s mainframe

2. time-sharing operating system.

3. your first name here.

4. your last name here.

5. ISPF (Interactive System Productivity Facility)

6. is a robust development tool set for the z/OS operating system

7. ISPF can be seen as an extension to TSO

8. ISPF can be seen as an extension to TSO

9. ISPF can be seen as an extension to TSO

10. ISPF can be seen as an extension to TSO

11. ISPF can be seen as an extension to TSO

12. ISPF can be seen as an extension to TSO

**Step 5:** Move lines 10-12 after line 2—should appear as below

1. TSO (Time Sharing Option) is IBM’s mainframe

2. time-sharing operating system.

3. ISPF can be seen as an extension to TSO

4. ISPF can be seen as an extension to TSO

5. ISPF can be seen as an extension to TSO

6. your first name here.

7. your last name here.

8. ISPF (Interactive System Productivity Facility)

9. is a robust development tool set for the z/OS operating system

10. ISPF can be seen as an extension to TSO

11. ISPF can be seen as an extension to TSO

12. ISPF can be seen as an extension to TSO

**Capture a screen shot**

**Step 6:** Delete lines 3-7 as a block—should appear as below

1. TSO (Time Sharing Option) is IBM’s mainframe

2. time-sharing operating system.

3. ISPF (Interactive System Productivity Facility)

4. is a robust development tool set for the z/OS operating system

5. ISPF can be seen as an extension to TSO

6. ISPF can be seen as an extension to TSO

7. ISPF can be seen as an extension to TSO

**Step 7:**

Find all instances of TSO. Change only the appropriate instances to Time Sharing Option (the instance on the first line should NOT be changed). Hint: Use the Find command to find all instances of TSO, then type in the change command but don’t press enter yet, then press F5 so that the first instance you want to change is highlighted. Then press enter on the change command. Press F6 to repeat the change command. Use F5 and F6 to find and then change the instances you want to change.

**Step 8:**

Change **all** instances of “can be seen as” to “is”

**Capture a screen shot**

Other practice that can be helpful—create a file that is several screens long; an easy way is to enter a few lines and then copy blocks of lines. Use the following to move vertical within the file

F7,F8, UP n, DOWN n, TOP, BOTTOM—note UP 3 moves up 3 lines.