

Assignment 1 (Introduction to Linux OS)

Total Marks=10

1. Create a directory named CS202 under your home directory. Go inside the directory and then create two directory Dir1 and Dir2. Inside Dir1, create a text file test.txt and insert some texts using terminal only. Also, create another directory Dir3 inside Dir1. **[Marks=1+3+2=6]**
 - a. Copy the entire directory Dir1 to Dir2. Use linux command.
 - b. Navigate inside Dir2/Dir1. Now, make the test.txt file inside this directory read-only by removing its write permission. Demonstrate this by trying to write some text on the file (which should not be allowed). Use appropriate linux command.
 - c. Report the (read, write, execute) permissions for the user, group and others for the file test.txt using linux command.
2. Create a file and insert texts that contain a keyword “CS 202” for a number of times. Create a script that searches for the keyword “CS 202” in that file and counts its occurrences. **[Marks =4]**

Hint: Learn about taking inputs from console in shell script. Search the word “key” using the grep command.