USP Practice Assignment-1

1. Use the command **who** to know who is currently logged in. Understand the output of the command **who**.

Ans- $ who
student tty7   2018-12-07 11:02 (:0)

2. Test the output of the command **$ who am I.**

Ans- $ whoami
Student

3. Use the command: **date**, **cal**, **cal -h**, **cal -3**, **cal –y.**

Ans- $ date
Fri Dec 7 11:09:03 IST 2018

$ cal
   December 2018
Su Mo Tu We Th Fr Sa
                 1
 2 3 4 5 6 7 8
 9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31

$ cal -h
   December 2018
Su Mo Tu We Th Fr Sa
                 1
 2 3 4 5 6 7 8
 9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31

$ cal -3
   November 2018   December 2018   January 2019
Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa
             1 2 3   1   1 2 3 4 5
 4 5 6 7 8 9 10   2 3 4 5 6 7 8   6 7 8 9 10 11 12
11 12 13 14 15 16 17   9 10 11 12 13 14 15 13 14 15 16 17 18 19
18 19 20 21 22 23 24 16 17 18 19 20 21 22 20 21 22 23 24 25 26
25 26 27 28 29 30   23 24 25 26 27 28 29 27 28 29 30 31
                      30 31

```
$ cal -y
                     2018
      January            February            March
Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa
    1  2  3  4  5  6            1  2  3            1  2  3
 7  8  9 10 11 12 13   4  5  6  7  8  9 10   4  5  6  7  8  9 10
14 15 16 17 18 19 20  11 12 13 14 15 16 17  11 12 13 14 15 16 17
21 22 23 24 25 26 27  18 19 20 21 22 23 24  18 19 20 21 22 23 24
28 29 30 31           25 26 27 28           25 26 27 28 29 30 31


       April               May                June
Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa
 1  2  3  4  5  6  7      1  2  3  4  5            1  2
 8  9 10 11 12 13 14   6  7  8  9 10 11 12   3  4  5  6  7  8  9
15 16 17 18 19 20 21  13 14 15 16 17 18 19  10 11 12 13 14 15 16
22 23 24 25 26 27 28  20 21 22 23 24 25 26  17 18 19 20 21 22 23
29 30                 27 28 29 30 31        24 25 26 27 28 29 30


        July              August             September
Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa
 1  2  3  4  5  6  7            1  2  3  4                     1
 8  9 10 11 12 13 14   5  6  7  8  9 10 11   2  3  4  5  6  7  8
15 16 17 18 19 20 21  12 13 14 15 16 17 18   9 10 11 12 13 14 15
22 23 24 25 26 27 28  19 20 21 22 23 24 25  16 17 18 19 20 21 22
29 30 31              26 27 28 29 30 31     23 24 25 26 27 28 29
                                            30

      October            November            December
Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa
    1  2  3  4  5  6            1  2  3                        1
 7  8  9 10 11 12 13   4  5  6  7  8  9 10   2  3  4  5  6  7  8
14 15 16 17 18 19 20  11 12 13 14 15 16 17   9 10 11 12 13 14 15
21 22 23 24 25 26 27  18 19 20 21 22 23 24  16 17 18 19 20 21 22
28 29 30 31           25 26 27 28 29 30     23 24 25 26 27 28 29
                                            30 31
```

4. Create a test file named add.c using the line-oriented text editor **ed**. Add a one more header #include<unistd.h > before the first header file you have added. Also, add header #include< time.h> before main().

Ans-

5. Display the content of the file using **ed filename**. give a note to the character count of **ed**.

Ans- ed
a

hello..
.
w a
8

6. Write the commands to create the following directory hirarchy: Regdno ->lab2-1-17->sub1.

Ans- $ mkdir Regdno
$ cd Regdno
$ mkdir lab2-1-17
$ cd lab2-1-17
$ mkdir sub1
$ cd sub1
$ pwd
/home/student/Satya7071/Regdno/lab2-1-17/sub1

7. Write the command to verify the above directory hierarchy.

Ans- pwd

8. Write the command to make lab2-1-17 as the current working directory.

Ans- cd ..

9. Write the commands to create another directory with name sub2 in directory lab2-1-17 and make sub2 as the current working directory.

Ans- $ mkdir sub2
       cd sub2

10. Create a tree structure named training in which there are 3 subdirectories level 1, level2 and cep. Each one is again further divided into 3. The level 1 is divided into sdp, re and se. From the subdirectory se how can one reach the home directory in one step and also how to navigate to the subdirectory sdp in one step? Give the commands, which do the above actions?

Ans- $ mkdir training
$ cd training
$ mkdir level1 level2 cep
$ cd level1
$ mkdir sdp re se
$ cd ../..
$ cd training
$ cd level1
$ cd se

11. How will you copy a directory structure dir1 to dir2 ? (with all the subdirectories)

Ans- cp R dir1 dir2

12. How can you find out if you have the permission to send a message?

Ans- ls -l (To check access permissions)

13. What is the command for printing the current time in 24-hour format?

Ans- date +%T

14. What is the command for printing the year, month, and date with a horizontal tab between the fields?

Ans- date +%Y%t%B%t%e