1. **Write command to show today’s date and time in the below given format**

i. DD/MM/YYYY EG: 30/01/2013

**date +"%d/%m/%Y"**

ii. DAY, MONTH DATE EG: Wednesday, January 30

**date +"%A,%B %d"**

iii. DAY DD/MM/YY EG: Wednesday 01/30/13

**date +"%A %D"**

iv. HH:MM:SS EG: 10:30:20

**date +"%T"**

v. HH:MM AM/PM EG: 10:30 AM

**date +"%I:%M %p"**

1. **Display the calendar of current month**

**cal**

1. **Get the calendar for the month March in the year 2022**

**cal -m march 2022**

1. **Create three directories letters, reports and assignments under your home directory.**

**mkdir {letters,reports,assignments}**

* 1. Move to the directory **letters**.

**cd letters**

* 1. Create two directories **friendly** and **formal** under the directory l**etters**.

**mkdir {friendly,formal}**

* 1. Move to directory **reports**. Using single command.

**cd ../reports**

* 1. Create a directory **UNIX** under **assignments** without moving from **reports**.

**mkdir ../assignments/UNIX**

* 1. Move to **UNIX** and check your current directory.

**cd ../assignments/UNIX**

* 1. Create a file **hw4** with a brief report on **man, who, whoami, date.**

**touch hw4.txt**

* 1. Print the content of **Hw4** from your home directory.

cd ~

**cat ../assignments/UNIX/hw4.txt**

* 1. Make a copy of **hw4** and store it under the same directory where **hw4** is stored.

**cat ../assignments/UNIX/hw4.tx > hw4\_copy.txt**

* 1. Use **ls** command to list the hierarchy in various formats.

**ls**

**ls –la**

**ls –ltr**

**ls –a**

**ls –lh**

**ls –l**

**ls - -l**

**ls –F**

**ls –r**

**ls –R**

**ls –ls**

* 1. Remove **Hw4**.

**rm –rf /assignments/UNIX/hw4\_copy.txt**

* 1. Remove all created folder recursively from your home directory.

1. **Using cat command write a single command to copy file1 to file2**

**cat <file1> > <file2>**

1. **Using head command copy lines 1 to 20 of file1 to file2**.

**head -20 <file1> > <file2>**

1. **Demonstrate addition, substraction multiplication and division using ‘expr’**

**echo "enter first number"**

**read num1**

**echo "enter second number"**

**read num2**

**echo $(expr $num1 + $num2)**

**echo $(expr $num1 - $num2)**

**echo $(expr $num1 \\* $num2)**

**echo $(expr $num1 / $num2)**

1. **Display first 3 lines in the** **/etc/passwd file.**

**head -3 /etc/passwd**

1. **Create a hidden file and list the file name using the ls command**

**touch .royalenfield.txt**

**ls -la**

1. **Create a text file, give some text to the file and use the filter commands grep,wc & cut with the same file.**

**grep “royal” royalenfield.txt**

**wc -c 1-6 royalenfield.txt**

**wc royalenfield.txt**

1. **Display last two directory or file in the home directory.**

**ls -lt | head -3**