Q1. A) Write and execute the following Commands on Linux

   i) Give list of users were logged onto your system.

     who

   ii) Create a two files and append the contents of one file to the end of another file.

     touch file1.txt file2.txt

     echo "Contents of file1" > file1.txt

     echo "Contents of file2" > file2.txt

     cat file2.txt >> file1.txt

   iii) Create the following text file a.txt and write commands based on it.

     Unix distributed 05 server

     Linux virtual 3 server

     Unix distributed 05 server

     Distributed processing 6 system

     Sort the above file in numerical order

     sort -n a.txt

   iv) Create two file Solaris.txt and Eclipse.txt to specify a delimiter for sequential Merging of files.

     touch Solaris.txt Eclipse.txt

   v) Create a file by Input devices.txt with least 5lines long using vi editor's input Commands and try the following using Vi commands. Move cursor to 3-line no

     vi "Input devices.txt"

     :3

Q1.B) Write a shell script to find area and perimeter of rectangle.

```bash
#!/bin/bash

echo "Enter length:"
read length

echo "Enter breadth:"
read breadth

echo "Area: $(($length * $breadth))"
echo "Perimeter: $((2 * $length + 2 * $breadth))"
```

Q2. Write menu driven program to perform the following tasks

a) Show today's date and time
b) Show files in current working directory.
c) Show calendar

```bash
#!/bin/bash
echo '\tMenu Implementation'
echo --------------------------------------------
echo 1.Today DATE
echo 2.files of the system
echo 3.Show calendar
echo Enter your choice
read choice
case $choice in
1)date;;
2)ls;;
3)cal;;
*)echo This is not a choice
esac
```

Or

Q2 Write a shell script to print multiplication table using command line arguments.

```bash
#!/bin/bash


number=$1
echo "Multiplication table for $number:"


for (( i=1; i<=10; i++ )); do
    echo "$number x $i = $((number * i))"
done
```