Lakhan Kumawat
190605S.

CSL4404 OSLab.

Page No.
Date

1. #!/bin/bash

```
echo "Enter num1"
read n1
echo "Enter num2"
read n2
echo "enter num3"
read n3

  if [$n1 -gt $n2]
  then
  if [ $n2 -gt $n3]
   then
     echo "$n2 is middle no. "
  fi
  elif [$n3 -gt $n1]
    then
        if [ $n1 -gt $n2]
          then
             echo "$n1 is middle no."
        fi
  else [$n1 -gt $n3]
        if [$n3 -gt $n2]
          then
            echo "$n3 is middle no."
        fi
  fi.
```

Lokhan Kumawat
1906055

Page No.
Date

CSE-1 CSL4404

Solution 2.

```
N=5
j=0
i=0

While [ $i -le `expr $N-1` ]
 do
   j=0
   While [ $j -le `expr $N-1` ]
     do
       IF [ `expr $N-1` -le `expr $i+$j` ]
       then
          echo -ne"$j"
       else
          echo -ne" "
       fi
          j= `expr $j+1`
     done
       i= `expr $i+1`
     done
```

Lakhan kumawat
1906055
CSE-1 CSL4404

Page No.
Date

Solution 3: echo "Enter 1 to who, 2 to ls, 3 to cal, 4 to ps, 5 to df"

read a.

```
Case "$a" in 1)
      echo "$who"
       ;;

"$a" in 2)
  echo "$ls"
   ;;

"$a" in 3)
  echo "$cal
   ;;
"$a" in 4)
  echo "$ ps"
    ;;

echo "$a" in 5)
      echo "$ df"
       ;;
```

Lakhan Kumawat
1906055
CSE-1 CSL4404

Page No.
Date

Lab Test 2

Solution 4:

```
echo "Enter a string of your choice:"
read str
words = `echo $str | wc -w`
words = `expr $words`
c = `echo $str | wc -c`
c = `expr $c -1`
n=1
v=0
s=0
j=' '
length= `expr $words +$s`
while [ $n -le $c ]
do
    ch= `echo $str | cut -c $n`
    if [[ $ch != $j ]]
    then
        s= expr $s+1
    fi
    case $ch in
        'a' | 'e' | 'i' | 'o' | 'u' | 'A' | 'E' | 'I' | 'O' | 'U' )
        v=`expr $v +1`
        ;;
    esac
    n=`expr $n+1`
done
echo "words : $words"
echo "length of string
```

```
$ length = `expr $words + $s`
echo " length : $ length"
echo " White space : $s"
echo " characters : $c"

Cons = `expr $c - $v`

echo "Consonants :" `expr $cons - $s`
```