Mon | Tue | Wed | Thu | Fri | Sat
Date: 22/11/28
Page No:

LAB-3

P1. Shell script to find if given year is leap or not.

```
#!/bin/bash
echo "Enter the year"
read year
if [ $(( year % 400 )) -eq 0 ]
then
echo " its a leap year"
elif [ $(( year % 100 )) -eq 0 ]
then
echo " it is not leap year"
elif [ $(( year % 4 )) -eq 0 ]
then
echo "it is a leap year"
else
echo " it is not leap year"
fi
```

Output :- Enter the year
1300
not a leap year.

P2. Shell script to find the largest of 3 numbers.

```
#!/bin/bash
echo "Enter 3 numbers"
read n1
read n2
read n3
```

```
if [ $n1 -gt $n2 ] && [ $n1 -gt $n3 ]
then
echo " $n1 is biggest number "
elif [ $n2 -gt $n1 ] && [ $n2 -gt $n3 ]
then
echo " $n2 is biggest number "
elif [ $n3 -gt $n1 ] && [ $n3 -gt $n2 ]
then
echo " third is biggest number "
fi
```

Output :- Enter the numbers
1
2
3
3 is biggest number.

3P. Shell Script to find if a number is +ve, -ve or zero.

⇒
```
#!/bin/bash
echo "Enter a number"
read n
if [ $n -eq 0 ]
then
echo "Number is zero"
elif [ $n -lt 0 ]
then
echo "Number is negative"
elif [ $n -gt 0 ]
then
echo "Number is positive"
```

```
fi
```

Output :- Enter a number.
5
Number is positive.

4P. Check if given arguments are same or not.

→
```
#!/bin/bash
if [ "$1" = "$2" ]
then
echo "Same arguments"
else
echo "Different arguments"
fi
```

Output :- sh Samearge.sh Sanju Sanju
Same arguments.

5P. Give the grade accepting masks of student.

→
```
#!/bin/bash
echo "Enter the masks"
read masks
if [ $masks -ge 90 ]
then
echo "grade : s"
elif [ $masks -ge 80 ] && [ $masks -lt 90 ]
then
echo "grade : A"
```

```
elif [ $marks -ge 70 ] && [ $marks -lt 80 ]
then
echo "grade: B"
elif [ $marks -ge 60 ] && [ $marks -lt 70 ]
then
echo "grade: C"
elif [ $marks -ge 50 ] && [ $marks -lt 60 ]
then
echo "grade: D"
elif [ $marks -ge 40 ] && [ $marks -lt 50 ]
then
echo "grade E"
else
echo "failed"
fi
```

Output:- Enter the marks
94
grade: S

Done 22/11/22