

## **Lab-7**

### **Write various Linux shell scripts to execute different OS task**

#### **1. Shell Script for a lottery that checks if the number entered is either 90, 60 or 30.**

```
$ vim lottery.sh
```

```
$ chmod +x lottery.sh
```

```
$ bash lottery.sh
```

#### **Content in the file lottery.sh is below**

```
#!/bin/bash
echo 'Enter the score'
read x
if [[ $x -eq 90 ]];
then
    echo "You have won the First Prize"
elif [[ $x -eq 60 ]];
then
    echo "You have won the Second Prize"
elif [[ $x -eq 30 ]];
then
    echo "You have won the Second Prize"
else
    echo "Please try again"
fi
```

#### **2. Shell Script for checking student passed or not**

```
$ vim mark.sh
```

```
$ chmod +x mark.sh
```

```
$ bash mark.sh
```

#### **Content in the file mark.sh is below**

```
#!/bin/bash

echo 'Enter the marks'

read x

if [[ $x -ge 70 ]]; then
    echo 'Great job, You passed!'
else
    echo 'You failed'
fi
```

### **3. Shell Script for checking student login status**

```
$ vim login.sh
$ chmod +x login.sh
$ bash login.sh
```

#### **Content in the file login.sh is below**

```
#!/bin/bash

echo 'Please Enter your user_id'

read user_id

echo 'Please Enter your tag_no'

read tag_id

if [[ ($user_id == "Hruthesh" && $tag_id -eq 31) ]];
then
    echo "Login successful"
else
    echo "Login failure"
fi
```

### **4. Shell Script for printing 1 to 10 numbers**

```
$ vim number.sh
$ chmod +x number.sh
$ bash number.sh
```

#### **Content in the file number.sh is below**

```
#!/bin/bash
# A simple while loop
counter=1
while [ $counter -le 10 ]
do
echo $counter
((counter++))
Done
```

### **5. Shell Script for picking random numbers to check the winner**

```
$ vim randomnumber.sh
$ chmod +x randomnumber.sh
$ bash randomnumber.sh
```

### **Content in the file randomnumber.sh is below**

```
#!/bin/bash
echo 'Please enter a random number'
read number
if [[ (number -eq 55 || number -eq 80) ]];
then
echo 'Congratulations! You've won'
else
echo 'Sorry, try again'
fi
```

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