

## Experiment 08

**Aim:** Basic programs in shell scripting

1. WAP to check whether no. entered is even or odd

```
localhost:~# vi evenodd.sh
#!/bin/bash
read -p "Enter a number: " num

if [  $((num \% 2)) -eq 0$  ]
then
    echo "Your number is even"
else
    echo "Your number is odd"
fi

~
~
localhost:~# chmod 711 evenodd.sh
localhost:~# ./evenodd.sh
Enter a number: 12
Your number is even
```

2. WAP to print the factorial of a number

```
localhost:~# vi factorial.sh
#!/bin/bash
read -p "Enter a number: " num

factorial=1

for ((i = 1; i <= num; i++))
do
    factorial=$((factorial * i))
done

echo "Factorial: $factorial"

~
localhost:~# chmod 711 factorial.sh
localhost:~# ./factorial.sh
Enter a number: 5
Factorial: 120
```