1. SUM OF ODD NUMBERS

OUTPUT

```
ADITYAs-MacBook-Pro:~ adityaprakasha$ vi sumofodd.sh
[ADITYAs-MacBook-Pro:~ adityaprakasha$ sh sumofodd.sh
enter limit of sum :
5
9
ADITYAs-MacBook-Pro:~ adityaprakasha$
```

2. SUM OF EVEN

OUTPUT

```
ADITYAs-MacBook-Pro:USP-LAB-PROGRAMS adityaprakasha$ vi sumofeven.sh
ADITYAs-MacBook-Pro:USP-LAB-PROGRAMS adityaprakasha$ sh sumofeven.sh
enter limit of sum:
20
110
ADITYAs-MacBook-Pro:USP-LAB-PROGRAMS adityaprakasha$
```

3. FACTORIAL OF A NUMBER

```
1 #!/bin/bash
2
3 echo "Enter number to find factorial of"
4 read num
5 fact=1
6
7 while [ $num -gt 1 ]
8 do
9     fact=`echo "$fact* $num" | bc`
10     num=$((num-1))
11 done
12 echo $fact
```

OUTPUT

```
ADITYAs-MacBook-Pro:~ adityaprakasha$ vi factofanum.sh

[ADITYAs-MacBook-Pro:~ adityaprakasha$ sh factofanum.sh

Enter number to find factorial of

10

3628800

ADITYAs-MacBook-Pro:~ adityaprakasha$
```

4. SUM OF N NUMBERS

OUTPUT

```
[ADITYAs-MacBook-Pro:~ adityaprakasha$ vi sumofnnum.sh
[ADITYAs-MacBook-Pro:~ adityaprakasha$ sh sumofnnum.sh
enter limit of sum :
10
55
ADITYAs-MacBook-Pro:~ adityaprakasha$
```