Ex. No. 3 a

Shell Script – Reverse of Digit

Aim:

To write a Shell script to reverse a given digit using looping statement.

Program:

CODE-

```
echo "enter number"
read a
rev=0
rem=0
while [ $a -gt  0 ]
do
rem=`expr $a % 10`
rev=`expr $rev \* 10 + $rem`
a=`expr $a / 10`
done
echo $rev
```

OUTPUT-

```
enter number
123
321
```

3b.

Shell Script – Fibbonacci Series

Aim:

To write a Shell script to generate a Fibonacci series using for loop.

Program:

CODE-

```
echo "enter number"
read a
f=0
s=1
for((i=0; i<=a; i++))
do
echo -n "$f "
d=$((f + s))
f=$s
s=$d

done
```

OUTPUT-

```
enter number
5
0 1 1 2 3 5
```