

Exp – 3a):

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

PROGRAM:

```
echo "Enter number"
read num
rev=0

while [ $num -gt 0 ]
do
    rem=$((num % 10))
    rev=$((rev * 10 + rem))
    num=$((num / 10))
done

echo "$rev"
```

OUTPUT:

```
hv@HV:~$ sh indhu.sh
Enter number
1234
4321
```

Exp – 3b):

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

PROGRAM:

```
read n
a=0
b=1
echo -n "$a $b "
for i in $(seq 2 $((n-1)))
do
    fib=$((a+b))
    echo -n "$fib "
    a=$b
    b=$fib
done
```

OUTPUT:

```
5
0 1 1 2 3
```