

EXP 3

EXP 3A: REVERSE A NUMBER

PROGRAM:

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

OUTPUT:

```
[cse66@localhost ~]$ vi rev.sh
[cse66@localhost ~]$ sh rev.sh
Enter a number:
123
321
```

EXP 3B: FIBONACCI

PROGRAM:

```
echo "enter a number"
read n
a=0
b=1
for (( i=0; i<n; i++))
do
echo $a
fn=$(expr $a + $b)
a=$b
b=$fn
done
```

OUTPUT:

```
[cse66@localhost ~]$ sh fib.sh
Enter a number:
21
0
1
1
2
3
5
8
13
21
34
55
89
144
233
377
610
987
1597
2584
4181
6765
```