

EX 3
REVERSE OF DIGIT
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```
#REVERSE A NO
echo "Enter a number"
read num
rev=0
while [ $num -gt 0 ]
do
digit=$((num % 10))
rev=$((rev * 10 + digit))
num=$((num / 10))
done
echo "Reversed number is $rev"
```

```
File Machine View Input Devices Help
Apr 21 12:01 AM
liveuser@localhost-live:~
liveuser@localhost-live:~$ cat > rev.sh
#!/bin/bash

echo "Enter number"
read n
rev=0

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

echo "$rev"
liveuser@localhost-live:~$ sh rev.sh
Enter number
123
321
liveuser@localhost-live:~$
```

FIBBNONACCI SERIES

```
#FIBBANACCI SERIES echo "Enter
the number of terms" read n a=0
b=1 echo "Fibonacci series: " for
(( i=0; i<n; i++ )) do

    echo -n "$a "
    fn=$((a + b))
    a=$b b=$fn

done
echo
```

```
liveuser@localhost-live:~  
liveuser@localhost-live:~$ cat>fib.sh  
#!/bin/bash  
  
echo "enter number"  
read n  
  
a=0  
b=1  
  
echo "fibonacci series"  
echo "$a"  
echo "$b"  
  
for (( i=0; i<n; i++ ))  
do  
    c=$((a + b))  
    echo "$c"  
    a=$b  
    b=$c  
done  
liveuser@localhost-live:~$ sh fib.sh  
enter number  
21  
fibonacci series  
0  
1  
1  
2  
3  
5  
8  
13  
21  
34  
55  
89  
144  
233  
377  
610
```