Ex 3 b)	
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Aim:

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

Program:

```
echo "Enter number:"
read n
num1=10
num2=1
for ((i=0 ; i < n ; i++))
do
   echo $num1
   nums=`expr $num1 + $num2`
   num1=$num2
   num2=$nums
done
```

Sample Input and Output
Run the program using the below command
 [REC@local host~]$sh indhu.sh

enter number
21
fibonacci series
0
1
1
2
3
5
8
13
21
34
55
89
144

233
377

Console:

```
echo "Enter number:"
read n
num1=0
num2=1
for ((i=0 ; i < n ; i++))
do
    echo $num1
    nums=`expr $num1 + $num2`
    num1=$num2
    num2=$nums
done
```

```
Enter number:
21
0
1
1
2
3
5
8
13
21
34
55
89
144
233
377
610
987
1597
2584
4181
6765
```

Result: Thus, successfully executed.