Q1. Shell Script to Check Prime:

```
echo "Enter a number: "
read num
for (( i=2; i<=$num/2; i++ ))
do
   if [ $((num%i)) -eq 0 ]
   then
      echo "$num is not a prime number."
      exit
   fi
done
echo "$num is a prime number."
```

```
sayakghorai@Sayaks-MacBook-Air-M1 Assignment8 % ./PrimeNonPrime.sh
Enter a number:
5
5 is a prime number.
sayakghorai@Sayaks-MacBook-Air-M1 Assignment8 % ./PrimeNonPrime.sh
Enter a number:
7
7 is a prime number.
sayakghorai@Sayaks-MacBook-Air-M1 Assignment8 % ./PrimeNonPrime.sh
Enter a number:
9
9 is not a prime number.
sayakghorai@Sayaks-MacBook-Air-M1 Assignment8 %
```

Q2.Shell Script to Print Fibonacci Series:

```
echo "Enter Series Length:"
read len
currSum=1
preSum=0
Sum=0
echo "Result----------------------------------------------------------"
echo $preSum
echo $currSum
while [ $len -gt 1 ]
do
Sum=`expr $preSum + $currSum`
preSum=$currSum
currSum=$Sum
echo $Sum
len=`expr $len - 1`
done
```

```
[sayakghorai@Sayaks-MacBook-Air-M1 Assignment8 % ./Fibonacci.sh                 ]
Enter Series Length:
5
Result----------------------------------------------------------
0
1
1
2
3
5
[sayakghorai@Sayaks-MacBook-Air-M1 Assignment8 % ./Fibonacci.sh                 ]
Enter Series Length:
10
Result----------------------------------------------------------
0
1
1
2
3
5
8
13
21
34
55
sayakghorai@Sayaks-MacBook-Air-M1 Assignment8 %
```