Assignment - 6

1A.

```
def recur_fibo(n):


   if n <= 1:
      return n
   else:
      return(recur_fibo(n-1) + recur_fibo(n-2))


nterms = 10


if nterms <= 0:
   print("Plese enter a positive integer")
else:
   print("Fibonacci sequence:")
   for i in range(nterms):
      print(recur_fibo(i))
```

2A.

```
def fact(n):
   if (n==1):
      return n
   else:
      return n*fact(n-1)
```

3A.

```
height = float(input("Input your height in Feet: "))
weight = float(input("Input your weight in Kilogram: "))
print("Your body mass index is: ", round(weight / (height * height), 2))
```

4A.

```
n=100
print ("math.log(", n,") : ", math.log(n))
```

5A.

```
def cubeSum(n):
   sum = 0
   for i in range(1, n+1):
      sum +=i*i*i
   return sum
n = 5
print(cubeSum(n))
```