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Class : 2nd B.Sc Chemistry (Aided)
Assesment : 2

ASSESMENT 2

Question no : 1

a)

```
import math
print(math.sin(math.pi/3))
print(math.tan(math.pi/3))
print(math.cos(math.pi/6))
```

```
0.8660254037844386
1.7320508075688767
0.8660254037844387
```

b)

```
def myfunc(x,y):
    return lambda x,y:x+y
adder=lambda x,y:x+y
print(adder(1,2))
```

```
3
```

c)

```
def fdsum(n):
    sum=0
    x=1
    while x <=n :
        sum = sum + x
        x = x+1
    return sum
n=int(input("Enter a natural number,n: "))
print("sum of first n i.e.,",n,"natural numbers",fdsum(n))
```

```
Enter a natural number,n: 6
sum of first n i.e., 6 natural numbers 21
```

Question no :2

a)

```
from statistics import mean
def myMean(my_list):
  return mean(my_list)
my_list=[3.5,7.3,9.4,6.6,3.2,8.3]
average=myMean(my_list)
print("Original list:",my_list)
print("Mean of the list: ",average)
```

```
Original list: [3.5, 7.3, 9.4, 6.6, 3.2, 8.3]
Mean of the list:  6.383333333333334
```

b)

```
def myname(fname,lname):
   return fname + lname
fname=input("Enter your first name : ")
lname=input("Enter your last name : ")
print("My Name is ",myname(fname,lname))
```

```
Enter your first name : SARASWATHI
Enter your last name : G
My Name is  SARASWATHIG
```

✓ 9s completed at 7:42 PM