

Computer Science XI

Practical File 2021-22

Made by-

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XI – F

Roll no. 39

Program

Mean Average (Multiple Forms

**Source Code-**

def avg(n1,n2,n3,n4):

av=(n1+n2+n3+n4)/4

print(av)

a=int(input("Enter a number: "))

b=int(input("Enter a number: "))

c=int(input("Enter a number: "))

d=int(input("Enter a number: "))

avg(a,b,c,d)

def avg2(n1,n2,n3,n4):

s=0

l=4

for k in n1,n2,n3,n4:

if k=="":

k=0

l-=1

s+=float(k)

av=(s)/l

print(av)

a=input("Enter a number: ")

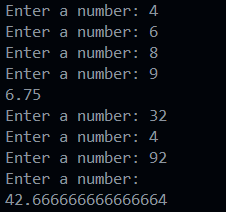
b=input("Enter a number: ")

c=input("Enter a number: ")

d=input("Enter a number: ")

avg2(a,b,c,d)

**Output-**



Program

Cubing (Multiple Forms)

**Source Code-**

#23/3/22

#Method 1:

def cube(n):

a=n\*n\*n

return a

num=float(input("Enter a number: "))

print(cube(num))

#Method 2:

def cube2(n): return n\*\*3

num2 = float(input("Enter a Number: "))

print(cube2(num2))

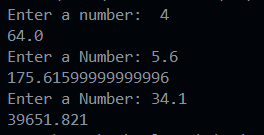
#Method 3:

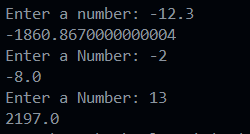
cube3 = lambda n : n\*\*3

num3 = float(input("Enter a Number: "))

print(cube3(num3))

**Output-**





Program

Area of Circle (Multiple Forms)

**Source Code-**

#25/3/22

from math import \*

#Method 1:

def ar(rad):

a=pi\*rad\*rad

return a

r=float(input("Enter the radius: "))

print("The area is: ",ar(r))

#Method 2:

def ar2(rad):

return pi\*(rad\*\*2)

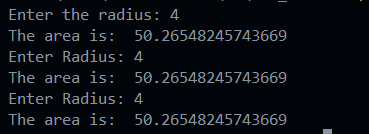
print("The area is: ",ar2(float(input("Enter Radius: "))))

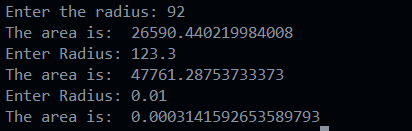
#Method 3:

ar3 = lambda rad : pi\*(r\*\*2)

print("The area is: ",ar3(float(input("Enter Radius: "))))

**Output-**





Program

Calculator

**Source Code-**

**Output-**

Program

**Source Code-**

**Output-**

Program

**Source Code-**

**Output-**

Program

**Source Code-**

**Output-**

Program

**Source Code-**

**Output-**

Program

**Source Code-**

**Output-**