**LAB 01**

**Object 01:-**

Write a program to print area of circle.

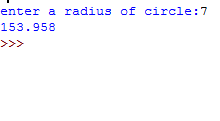
**Source Code:-**

R=int(input("enter a radius of circle:"))

A=3.142\*R\*\*2

print(A)

**Output:-**



**Object 02:-**

Write a program to print area of rectangle.

**Source Code:-**

L=int(input("enter length:"))

W=int(input("enter width:"))

A=L\*W

print(A)

**Output:-**



**Object 03:-**

Write a program to accept a number from user and prints its square and cube.

**Source Code:-**

N=int(input("enter a number:"))

S=N\*\*N

C=S\*\*N

print(S)

print(C)

**Output:-**



**Object 05:-**

Write a program to calculate the formulae of :

1. Average
2. Mid-point
3. Slope

**Source Code:-**

* Average:

a=int(input("enter 1st number:"))

b=int(input("enter 2nd number:"))

c=int(input("enter 3rd number:"))

A=(a+b+c)/3

print(A)

* Mid-point:

a=int(input("enter 1st number:"))

b=int(input("enter 2nd number:"))

c=int(input("enter 3rd number:"))

d=int(input("enter 4th number:"))

G=(a+c)/2

H=(b+d)/2

print(G)

print(H)

* Slope:

a=int(input("enter 1st number:"))

b=int(input("enter 2nd number:"))

c=int(input("enter 3rd number:"))

d=int(input("enter 4th number:"))

m=(d-b)/(c-a)

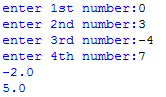
print(m)

**Output:-**

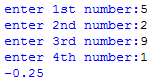
* Average:

C:\Users\EJAZ\Desktop\LAB 01\Captures\Capture5.1.PNG

* Mid-point:



* Slope:



**Object 06:-**

Write a program to calculate the following:

1. Area of Parallelogram
2. Circumference of Circle

**Source Code:-**

* Area of Parallelogram:

b=int(input("enter base:"))

h=int(input("enter height:"))

A=b\*h

print(A)

* Circumference of Circle:

r=int(input("enter radius of circle:"))

C=2\*(22/7)\*r

print(C)

**Output:-**

* Area of Parallelogram:

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* Circumference of Circle:

C:\Users\EJAZ\Desktop\LAB 01\Captures\Capture6.2.PNG

**Object 07:-**

Write a program to find the parameter of rectangular bedroom.

**Source Code:-**

l=int(input("enter length of bedroom:"))

w=int(input("enter width of bedroom:"))

P=2\*(l+w)

print(P)

**Output:-**

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