

- 1> Write a python pgm that takes the length & width of a rectangle from the user & prints its area.

```
length = int(input("Enter length:"))  
width = int(input("Enter width:"))  
area = length * width  
print("Area of rectangle is:", area)
```

O/P

Enter length: 3

Enter width: 4

Area of rectangle is: 12

- 2> Write a program that asks the user for the side of a square and prints its perimeter.

```
Side = int(input("Enter the side:"))  
Perimeter = 4 * Side  
print("Perimeter of square is:", perimeter)
```

O/P

Enter the side: 4

Perimeter of square is: 16

- 3> Take the base and height of a triangle as input & print its area.

```
base = int(input("Enter the base of the triangle:"))  
height = int(input("Enter the height of the triangle:"))  
area = 0.5 * base * height  
print("Area of the triangle is:", area)
```

O/P:

Enter the base of the triangle: 5

Enter the height of the triangle: 7

Area of the triangle is: 17.5

- 4> Write a pgm that asks the user for the radius of a circle and prints its circumference (use 3.14 for π)

```
radius = int(input("Enter the radius of the circle:"))
```

```
Circumference = 2 * 3.14 * radius
```

```
Print("Circumference of the circle is:", circumference)
```

O/P

Enter the radius of the circle: 3

Circumference of the circle is: 18.84

- 5> Take Principal (P), Rate (R), & Time (T) as input from the user & print the simple interest.

```
P = int(input("Enter the principal amount:"))
```

```
R = int(input("Enter the Rate of Interest:"))
```

```
T = int(input("Enter the Time (in Years):"))
```

```
SI = (P * R * T) / 100
```

```
Print("Simple Interest is:", SI)
```

O/P: Enter the principal amount: 2

Enter the Rate of Interest: 4

Enter the Time (in Years): 5

Simple Interest is: 0.4