

- 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

- A> Write a pgm that - asks the user for the radius of a circle and prints its circumference (use 3.14 for  $\pi$ )

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

Circumference =  $2 * 3.14 * \text{radius}$

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