

1. Write a Python program that takes the length and width of a rectangle from the user and prints its area.

Area of a Rectangle

Python

Program 1: Area of a rectangle

length = float(input("Enter the length of the rectangle:"))

width = float(input("Enter the width of the rectangle:"))

area = length * width

Print ("The area of the rectangle is:", area)

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

Perimeter of a Square

Program 2 : perimeter of a square

side = float(input("Enter the side of the square:"))

Perimeter = 4 * side

Print ("The perimeter of the square is:", perimeter)

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

Area of a Triangle

#program 3: Area of a Triangle

base = float(input("Enter the base of the triangle:"))

height = float(input("Enter the height of the triangle:"))

area = 0.5 * base * height

Print("The area of the triangle is:", area)

4. Write a program that asks the user for the radius of a circle and prints its

Circumference (use 3.14 for π).

Circumference of a Circle

Program 4: Circumference of a Circle

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

Circumference = 2 * 3.14 * radius

Print("The Circumference of the Circle is:", Circumference)

5. Take Principal (P), Rate (R) and Time (T) as input from the user and print the Simple Interest.

Simple Interest

Program 5: Simple Interest

P = float(input("Enter the Principal amount: "))

R = float(input("Enter the Rate of interest: "))

T = float(input("Enter the Time (in years): "))

Simple_interest = (P * R * T) / 100

Print("The Simple Interest", Simple_interest)