**ANSWERS**

**Q1. Write a Python program to print "Hello Python"?**

**Ans.** Please find below the code to print “Hello Python”:

print("Hello Python")

**Q2. Write a Python program to do arithmetical operations addition and division?**

**Ans.** Please find below the code to do arithmetical operations (addition and division):

**# Addition**

num1 = float(input("Enter the first number: "))

num2 = float(input("Enter the second number: "))

sum\_result = num1 + num2

print("Sum:", sum\_result)

**# Division**

numerator = float(input("Enter the numerator: "))

denominator = float(input("Enter the denominator: "))

if denominator != 0:

division\_result = numerator / denominator

print("Division:", division\_result)

else:

print("Cannot divide by zero.")

**Q3. Write a Python program to find the area of a triangle?**

**Ans.** Please find below the code to find the area of a triangle:

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

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

area = 0.5 \* base \* height

print("Area of the triangle:", area)

**Q4. Write a Python program to swap two variables?**

**Ans.** Please find below the code to swap two variables:

# Using a temporary variable

a = 5

b = 10

print("Before swapping: a =", a, "b =", b)

temp = a

a = b

b = temp

print("After swapping: a =", a, "b =", b)

**Q5. Write a Python program to generate a random number?**

**Ans.** Please find below the code to generate a random number:

import random

random\_number = random.randint(1, 100) # Generates a random number between 1 and 100

print("Random number:", random\_number)