1. Write a Python program to print “Hello Python”?

print(“Hello Python”)

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

def add(a, b):

return a + b

def divide(a, b):

if b != 0: # Check if divisor is not zero

return a / b

else:

return "Error! Division by zero is not allowed."

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

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

sum\_result = add(num1, num2)

print(f"Addition result: {num1} + {num2} = {sum\_result}")

div\_result = divide(num1, num2)

print(f"Division result: {num1} / {num2} = {div\_result}")

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

def triangle\_area(base, height):

return 0.5 \* base \* height

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

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

area = triangle\_area(base, height)

print(f"The area of the triangle is: {area} square units")

4. Write a Python program to swap two variables?

def swap(a, b):

return b, a

a = input("Enter the first variable (a): ")

b = input("Enter the second variable (b): ")

a, b = swap(a, b)

print(f"After swapping: a = {a}, b = {b}")

5. Write a Python program to generate a random number?

import random

random\_number = random.randint(1, 100)

print(f"Generated random number: {random\_number}")