1. Write a Python program to print "Hello Python"?

print("Hello Python")

1. 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:

return "Division by zero is not allowed."

return a / b

# Example usage

num1 = 10

num2 = 5

# Perform addition

result\_add = add(num1, num2)

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

# Perform division

result\_divide = divide(num1, num2)

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

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

def calculate\_area(base, height):

return 0.5 \* base \* height

# Example usage

base = 5

height = 10

area = calculate\_area(base, height)

print(f"The area of the triangle with base {base} and height {height} is {area}")

1. Write a Python program to swap two variables?

# Swapping using arithmetic operations

a = 5

b = 10

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

# Swap

a = a + b

b = a - b

a = a - b

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

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

import random

# Generate a random integer between 1 and 100

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

print(f"The random number generated is: {random\_number}")