

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

```
print("Hello Python")
```

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

```
num1 = float(input("Enter the first number: "))
num2 = float(input("Enter the second number: "))
sum = num1 + num2
print("The sum is:", sum)
if num2 != 0:
    quotient = num1 / num2
    print("The quotient is:", quotient)
else:
    print("Error: Cannot divide by zero.")
```

Q3. Write a Python program 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 = (base * height) / 2
print("The area of the triangle is:", area)
```

Q4. Write a Python program to swap two variables?

```
var1 = input("Enter the value of the first variable: ")
var2 = input("Enter the value of the second variable: ")
print("Before swapping:")
print("Variable 1 =", var1)
print("Variable 2 =", var2)
var1, var2 = var2, var1
```

```
print("After swapping:")  
print("Variable 1 =", var1)  
print("Variable 2 =", var2)
```

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

```
random_number = random.randint(1, 100)  
print("Random number:", random_number)
```