**FSDS MAY BATCH 2022(Python Programming 1)**

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Q1. Write a Python program to print “Hello Python”?

Ans: print("Hello Python")

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

Ans:

# Addition

Number\_1 = 100

Number \_2 = 25

sum = Number\_ 1 + Number\_2

print("The sum of", Number\_1, "and", Number\_2, "is:", sum)

# Division

Number\_3 = 35

Number\_4 = 5

quotient = Number\_3 / Number\_4

print("The quotient of", Number\_3, "divided by", Number\_4, "is:", quotient)

#OUTPUT

The sum of 100 and 25 is: 125

The quotient of 35 divided by 5 is: 7.0

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

Ans:

# Input the base and height from the user.

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

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

# Calculate the area of the triangle.

area = 0.5 \* base \* height

# Print the result.

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

Q4. Write a Python program to swap two variables?

Ans:

# Input the values of the two variables from the user

a = input("Enter the value of variable a: ")

b = input("Enter the value of variable b: ")

# Print the original values of the two variables.

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

# Swap the values of the two variables.

a, b = b, a

# Print the new values of the two variables.

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

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

Ans:

import random

# Generate a random number between 0 and 10.

random\_number = random.randint(0, 10)

# Print the random number.

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