	SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGG.	**LABORATORY MANUAL**
	PRACTICAL EXPERIMENT INSTRUCTION SHEET	
	EXPERIMENT TITLE : Write a python program to find largest of three numbers.	
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LABORATORY : 3IT09 COMPUTER SKILL LAB – I	SEMESTER : III	PAGE: 1 OF 2

1.0) AIM: Write a python program to find largest of three numbers.

2.0) SCOPE: The scope of this Python program is to find the largest of three numbers entered by the user. It demonstrates conditional statements and user input handling.

3.0) FACILITIES/ APPARATUS:

1. Python development environment (e.g., IDLE)
2. Input mechanism (keyboard)
3. Computer with Python installed

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4.0) THEORY:

Program Description:

1. User Input: The program starts by taking input from the user for three numbers, num1, num2, and num3.
2. Conditional Statements: It then uses conditional statements (if, elif, and else) to compare these numbers and determine which one is the largest.
3. Comparison Logic: The program compares the three numbers to find the largest as follows:
4. If num1 is greater than or equal to both num2 and num3, then num1 is the largest.
5. If num2 is greater than or equal to both num1 and num3, then num2 is the largest.
6. Otherwise, num3 is the largest.
7. Printing Result: Finally, the program prints the largest number to the console, providing a clear and informative message.

Example:

For example, if the user enters the numbers 5, 12, and 7, the program compares them and determines that 12 is the largest. It then displays the message "The largest number among 5.0, 12.0, and 7.0 is 12.0" to the user.

Program Execution Line by Line:

- Line 4-6: We use the input() function to get user input for the three numbers. We convert these inputs to floating-point numbers using float().

- Line 9-14: The program employs conditional statements to compare the numbers and determine the largest one. The comparison logic ensures that the correct largest number is identified.
- Line 17: The program prints the result, displaying the largest number along with a descriptive message.

Program

```
# Input three numbers from the user
num1 = float(input("Enter the first number: "))
num2 = float(input("Enter the second number: "))
num3 = float(input("Enter the third number: "))

# Compare the numbers to find the largest
if num1 >= num2 and num1 >= num3:
    largest = num1
elif num2 >= num1 and num2 >= num3:
    largest = num2
else:
    largest = num3

# Print the largest number
print("The largest number among", num1, ",", num2, "and", num3, "is", larges
```

Output

```
Enter the first number: 5
Enter the second number: 12
Enter the third number: 7
The largest number among 5.0 , 12.0 and 7.0 is 12.0
```

In this program:

1. We take three numbers as input from the user using the input() function, and we convert them to floating-point numbers using float().
2. We compare the three numbers using if, elif, and else statements to determine which one is the largest. The largest number is stored in the variable largest.
3. Finally, we print the largest number to the console.

This program finds and displays the largest of three numbers entered by the user.

In this program, we create a dictionary named student and perform various operations:

1. Accessing dictionary elements.
2. Modifying a value.
3. Adding a new key-value pair.
4. Obtaining keys and values.
5. Checking if a key exists.
6. Looping through keys and values.
7. Removing a key-value pair.
8. Determining the length of the dictionary.

This program demonstrates how to work with dictionaries in Python, showing their flexibility in storing and manipulating data.

4.2) Program Execution:

1. Line 4-6: We use the input() function to get user input for the three numbers. We convert these inputs to floating-point numbers using float().
2. Line 9-14: The program employs conditional statements to compare the numbers and determine the largest one. The comparison logic ensures that the correct largest number is identified.
3. Line 17: The program prints the result, displaying the largest number along with a descriptive message.

5.0) Conclusion:

This program serves as a practical demonstration of conditional statements in Python. It showcases how to take user input, compare values using conditional statements, and provide meaningful output. By understanding this program, students can grasp the basics of decision-making in programming, a fundamental concept in computer science and programming logic.

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