

# Test – 1

## Based on Python Fundamentals

### Q1. Largest of Three Numbers

Write a Python program to find the largest of three numbers provided by the user using if-else statements.

## Q2. Reverse a number

Write a Python program that takes an integer as input and reverses its digits using a while loop without converting the number to a string.

### Q3. Multiplication Table

Write a Python program to print the multiplication table for a number provided by the user, using a while loop.

#### Q4. Factorial Calculation

Write a Python program to calculate the factorial of a number provided by the user using a while loop.

### Q5. Print a Pattern (Nested Loops)

Write a Python program to print the following pattern using nested loops:

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### Q6. A) Prime Number Checker

Write a Python program to check if a number provided by the user is prime or not. Use an if-else statement along with a for loop to iterate through potential divisors.

OR

### Q6. B) Fibonacci Sequence

Write a Python program to generate the first n numbers of the Fibonacci sequence, where n is provided by the user. Use a while loop to calculate the sequence.