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## ***Lab. (13)***

### ***Revision***

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*Answer the following questions*

- 1) Write a C++ program to check two given integers and return true if one of them is 30 or if their sum is 30.
- 2) Write a C++ program to check a given integer and return true if it is within 10 of 100 or 200.
- 3) Write a program in C++ to find the sum of digits of a given number.
- 4) Write a program in C++ to calculate the sum of the series  $(1*1) + (2*2) + (3*3) + (4*4) + (5*5) + \dots + (n*n)$ .
- 5) Write a program in C++ to display the pattern like right angle triangle with number.

Sample Output:

Input number of rows: 5

1

12

123

1234

12345

- 6) Write a program in C++ to find the sum of first and last digit of a number.
- 7) C++ Program to Check Prime Number By Creating a Function
- 8) C++ Program to Make a Simple Calculator to Add, Subtract, Multiply or Divide Using switch...case
- 9) C++ Program to Add Two Matrix Using Multi-Dimensional Arrays
- 10) C++ Program to Find Transpose of a Matrix