FUNDAMENTALS OF PROGRAMMING

TASK: LAB MANUAL 9

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CLASS: ME 15 A

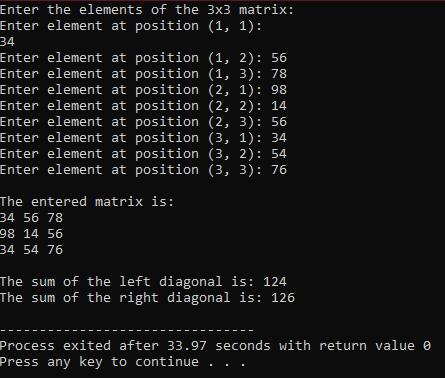
LAB INSTRUCTOR: SIR AFFAN

1.Make 2D Array in C++ and print left diagonal and right diagonal sum of a 3x3 matrix.

Code

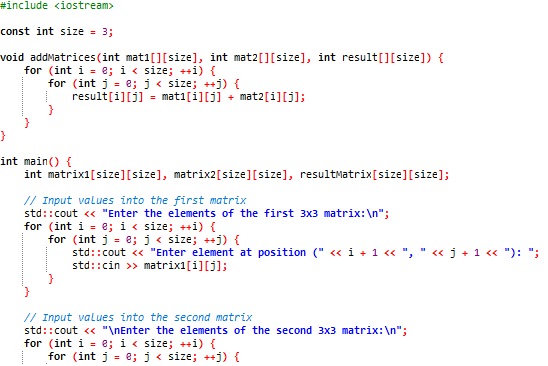


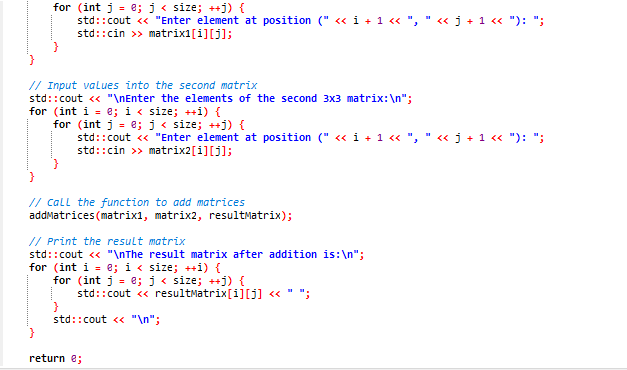
Output



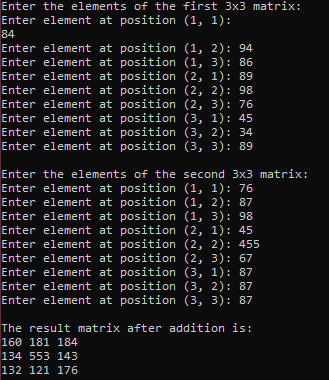
1. Write a function to add two 2D arrays of size 3x3.

Code



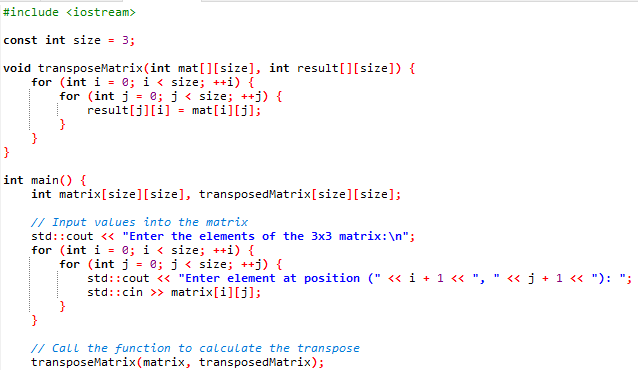


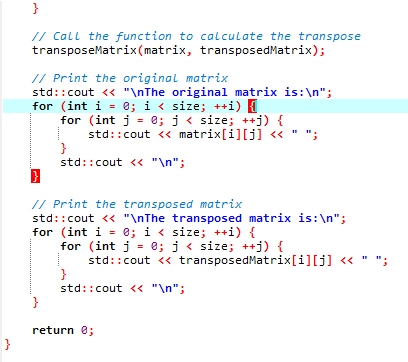
Output



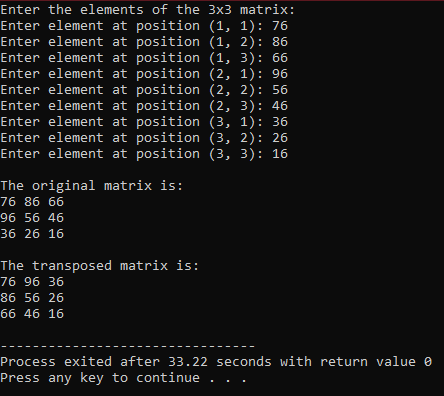
3.Using 2D arrays in C++, take transpose of a 3x3 matrix. Make a transpose function

Code



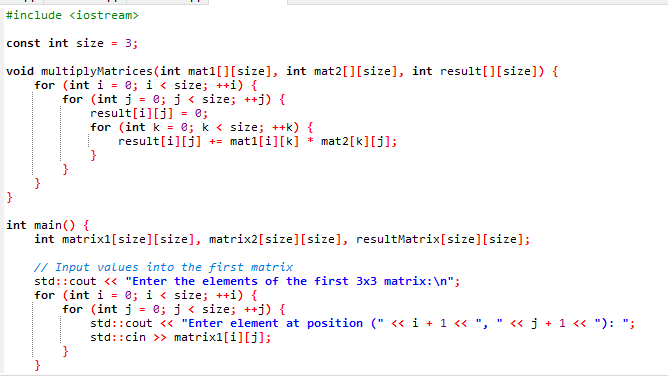


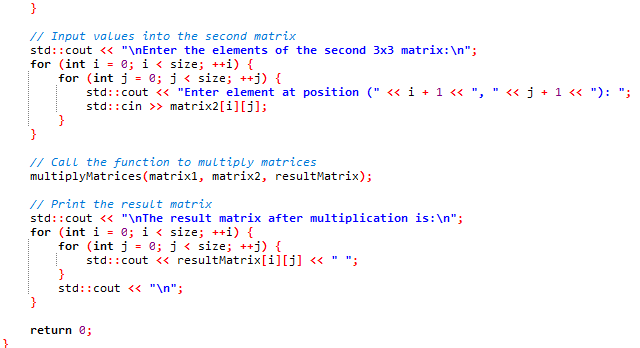
Output



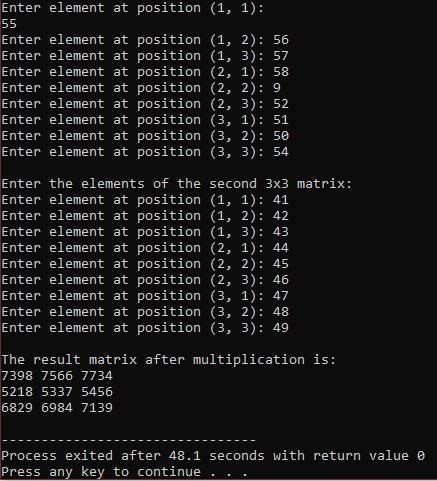
4.Using 2D arrays in C++, implement 3x3 matrix multiplication. Make a function

Code



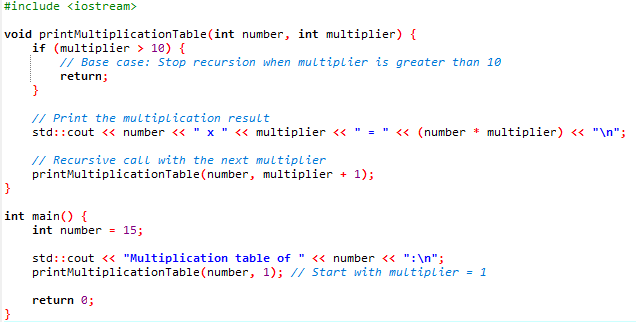


Output



5.Print the multiplication table of 15 using recursion.

Code



Output

