1- Consider the following declaration of a two-dimensional array in C:

a[100][100];

Assuming that the main memory is byte-addressable and that the array is stored starting char from memory address 0,” the address of a[40][50] is…..

2- Write an algorithm to find the sum of the squares of all integers between 1 and n. What is the order of your function?

3- Characterize the following algorithm in terms of Big-O notation. How many operations in it.

for (int i = 1; i <= 2 \* n; i++)

for (int j = 1; j <= n; j++)

cout << 2 \* i + j;

cout << endl;

4- C++ Program to Copy all elements of a list into another list.

5- The declaration of a two dimensional array is long int Number[5][4] ; and the base address to store this array in memory is 5110 .Represent this array in Column-Wise Method and find address for the [2][3] element .