Practical No:- 5(c )

1. (c ) Write a program to implement insertion sort.

Practical Implementation:-

Code:-

#include<iostream>

**using** **namespace** std;

**int** main ()

{

**int** myarray[10] = { 12,4,3,1,15,45,33,21,10,2};

    cout<<"\nInput list is \n";

**for**(**int** i=0;i<10;i++)

    {

        cout <<myarray[i]<<"\t";

    }

**for**(**int** k=1; k<10; k++)

    {

**int** temp = myarray[k];

**int** j= k-1;

**while**(j>=0 && temp <= myarray[j])

        {

            myarray[j+1] = myarray[j];

            j = j-1;

        }

        myarray[j+1] = temp;

    }

    cout<<"\nSorted list is \n";

**for**(**int** i=0;i<10;i++)

    {

        cout <<myarray[i]<<"\t";

    }

}

Output:-

