Practical No:- 5(a)

1. (a) Write a program to implement bubble sort.

Practical Implementation:-

Code:-

#include<iostream>

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

**int** main ()

{

**int** i, j,temp,pass=0;

**int** a[10] = {10,2,0,14,43,25,18,1,5,45};

   cout <<"Input list ...\n";

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

      cout <<a[i]<<"\t";

   }

cout<<endl;

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

**for**(j = i+1; j<10; j++)

   {

**if**(a[j] < a[i]) {

         temp = a[i];

         a[i] = a[j];

         a[j] = temp;

      }

   }

pass++;

}

cout <<"Sorted Element List ...\n";

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

   cout <<a[i]<<"\t";

}

cout<<"\nNumber of passes taken to sort the list:"<<pass<<endl;

**return** 0;

}

Output:-

