#include <iostream>

Using namespace std;

Class ArraySearching

{

Public:

Int a[100], size, target, flag;

// Function to access array elements

Void access()

{

Cout << “Enter the size of the array: “;

Cin >> size;

Cout << “Enter the array elements: “;

For (int I = 0; I < size; i++)

{

Cin >> a[i];

}

}

// Function to sort the array using Bubble Sort

Void sorting()

{

For (int I = 0; I < size – 1; i++)

{

For (int j = 0; j < size – I – 1; j++)

{

If (a[j] > a[j + 1])

{

Int temp = a[j];

A[j] = a[j + 1];

A[j + 1] = temp;

}

}

}

}

// Function to get the target value from the user

Void target1()

{

Cout << “Enter the target: “;

Cin >> target;

}

// Function to search for the target in the array

Void searching()

{

Flag = 0;

For (int I = 0; I < size; i++)

{

If (a[i] == target)

{

Cout << “Element found at position “ << I << endl;

Flag = 1;

Break;

}

}

If (flag == 0)

{

Cout << “Element not found” << endl;

}

}

};

Int main()

{

ArraySearching s;

s.access();

s.sorting();

s.target1();

s.searching();

return 0;

}