**7b.BUBBLE SORT**

**import** java.io.\*;

**class** bubble

{

**public** **static** **void** main(String args[])**throws** Exception

{

**int** temp,i,j;

BufferedReader obj=**new** BufferedReader(**new** InputStreamReader(System.***in***));

System.***out***.println("Enter the number of elements: ");

**int** n = Integer.*parseInt*(obj.readLine());

**int** array[] = **new** **int**[n];

System.***out***.println("Enter the elements");

**for**(i = 0;i < n;i++)

array[i] = Integer.*parseInt*(obj.readLine());

**for**(i = 0;i < n;i++)

**for**(j = 0;j < n-1;j++)

**if**(array[j]>array[j+1])

{

temp = array[j];

array[j] = array[j+1];

array[j+1] = temp;

}

System.***out***.println("Sorted array");

**for**(i = 0;i < n;i++)

System.***out***.println(" "+array[i]);

}

}

**OUTPUT:**

Enter the number of Elements:

5

Enter the Elements:

55

44

33

22

11

Sorted Array:

11

22

33

44

55