

Bubblesort

```
import java.util.Scanner;
class Bubblesort
{
public static void main(String[] args)
{
int n;
int temp = 0;
Scanner sc=new Scanner(System.in);
System.out.print("Enter the number of elements you want to store: ");

n=sc.nextInt();

int[] array = new int[10];
System.out.println("Enter the elements of the array: ");
for(int i=0; i<n; i++)
{

array[i]=sc.nextInt();
}
System.out.println("Array elements are: ");

for (int i=0; i<n; i++)
{
System.out.println(array[i]);
}

    for(int i=0; i < n; i++)
    {
        for(int j=1; j < (n-i); j++)
        {
            if(array[j-1] > array[j])
            {
                temp = array[j-1];
                array[j-1] = array[j];
                array[j] = temp;
            }
        }
    }

System.out.println("Array After Bubble Sort");
    for(int i=0; i < array.length; i++){
        System.out.print(array[i] + " ");
    }
}
```

Output:

```
C:\Users\ankus\OneDrive\Desktop\ankush 05>javac bubblesort.java

C:\Users\ankus\OneDrive\Desktop\ankush 05>java bubblesort.java
Enter the number of elements you want to store: 3
Enter the elements of the array:
5
4
3
Array elements are:
5
4
3
Array After Bubble Sort
3 24 45 0 0 0 0 0 0
C:\Users\ankus\OneDrive\Desktop\ankush 05>
```