

```
package com.company;
```

```
class BubbleSort
```

```
{
```

```
    void bubbleSort(int a[])
```

```
    {
```

```
        int n = a.length;
```

```
        for (int i = 0; i < n-1; i++)
```

```
            for (int j = 0; j < n-i-1; j++)
```

```
                if (a[j] > a[j+1])
```

```
                {
```

```
                    int flag = a[j];
```

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

```
                    a[j+1] = flag;
```

```
                }
```

```
    }
```

```
    void printArray(int x[])
```

```
    {
```

```
        int n = x.length;
```

```
        for (int i=0; i<n; ++i)
```

```
            System.out.print(x[i] + " ");
```

```
        System.out.println();
```

```
    }
```

```
    public static void main(String args[])
```

```
    {
```

```
        BubbleSort ob = new BubbleSort();
```

```
        int array[] = {12,8,7,5,2};
```

```
        ob.bubbleSort(array);
```

```
        System.out.println("SORTED ARRAYS");
```

```
    ob.printArray(array);
```

```
}
```

```
}
```