

## Assignment-8

Implement a Java method to perform Bubble Sort on an array of integers.

```
package datastructures.sort;

public class BubbleSort {

    static void bubbleSort(int arr[],int n) {
        int temp;
        for(int i=0;i<n-1;i++) {
            for(int j=0;j<n-i-1;j++) {
                if(arr[j]>arr[j+1]) {
                    temp=arr[j];
                    arr[j]=arr[j+1];
                    arr[j+1]=temp;
                }
            }
        }
    }

    static void printArray(int arr[],int n) {

        for(int i=0;i<n;i++)
            System.out.print(arr[i]+" ");
        System.out.println("\n");
    }

    public static void main(String[] args) {
        int arr[]={20,5,30,15,25,10};
        int n=arr.length;
        System.out.println("Array before sorting : ");
        printArray(arr,n);
        bubbleSort(arr,n);
        System.out.println("Array after sorting : ");
        printArray(arr,n);
    }
}
```

}

}