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BRANCH/ROLL NO: AI&DS/55

```
class BubbleSortExample {  
    static void bubbleSort(int[] arr) {  
        int n = arr.length;  
        int temp = 0;  
        for (int i = 0; i < n; i++) {  
            for (int j = 1; j < n - i; j++) {  
                if (arr[j - 1] > arr[j]) {  
                    temp = arr[j - 1];  
                    arr[j - 1] = arr[j];  
                    arr[j] = temp;  
                }  
            }  
        }  
    }  
    public static void main(String[] args) {  
        int arr[] = { 3, 60, 35, 2, 45, 320, 5 };  
        System.out.println("Array Before Bubble sort");  
        for (int i = 0; i < arr.length; i++) {  
            System.out.println(arr[i] + "");  
        }  
        System.out.println();  
        bubbleSort(arr);  
        System.out.println("Array After Bubble Sort");  
        for (int i = 0; i < arr.length; i++) {  
            System.out.print(arr[i] + "");  
            System.out.println();  
        }  
        System.out.println();  
    }  
}
```

OUTPUT:

```
Microsoft Windows [Version 10.0.22622.601]  
(c) Microsoft Corporation. All rights reserved.
```

```
C:\Users\Vinith>cd/
```

```
C:\>cd C:\Users\Vinith\OneDrive\Desktop\experiments java
```

```
C:\Users\Vinith\OneDrive\Desktop\experiments java>javac BubbleSort.java
```

```
C:\Users\Vinith\OneDrive\Desktop\experiments java>java BubbleSort.java
```

```
Array Before Bubble sort
```

```
3  
60  
35  
2  
45  
320  
5
```

```
Array After Bubble Sort
```

```
2  
3  
5  
35  
45  
60  
320
```