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ROLL NO:- 49

BUBBLE SORT

CODE :

```
public class BubbleSort{  
    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]){  
                    //swap elements  
                    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.print(arr[i] + " ");

}

System.out.println();

bubbleSort(arr);//sorting array elements using bubble sort
```

```
System.out.println("Array After Bubble Sort");

for(int i=0; i < arr.length; i++){

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

}

}
```

OUTPUT :

```
C:\Users\yedu0\OneDrive\Documents\java>javac bubblesort.java

C:\Users\yedu0\OneDrive\Documents\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
```