BUBBLE SORT

Program of bubble sort:-

```
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);


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


}
}
```

OUTPUT:-

```
C:\Users\ketan\OneDrive\Desktop\java>javac bubblesort.java

C:\Users\ketan\OneDrive\Desktop\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
C:\Users\ketan\OneDrive\Desktop\java>
```