```
    public static int partition(int arr[], int left, int right){
//      System.out.println("Reached partition");
        int pivot = arr[right];
        int i=left-1;
        for(int j=left;j<right;j++){
            if(arr[j] <= pivot){
                i++;
//                swap
                int temp = arr[j];
                arr[j]=arr[i];
                arr[i]=temp;
            }
        }
        i++;
        int temp = pivot;
        arr[right]=arr[i];
        arr[i]=temp;
        return i;
    }
```

```
    public static void quick(int arr[], int left, int right){
        if(left < right){
            int pivot = partition(arr,left,right);

            quick(arr,left,pivot-1);
            quick(arr,pivot+1,right);
        }
    }

    public static void main(String[] args) {
        int arr[] = {6,3,8,1,4,2};
        System.out.println("Array before sorting ....");
//      Quicksort quicksort = new Quicksort();
        printArray(arr);
//      Sorting Algo
        quick(arr,0,arr.length-1);
//      Printing sorted
        System.out.println("Array after sorting ....");
        printArray(arr);
    }
```

Output -

```
C:\Users\sarapapa\.jdks\openjdk-18.0.1.1\bin\java.exe
Array before sorting ....
Array Will be :
6 -> 3 -> 8 -> 1 -> 4 -> 2 ->
Array after sorting ....
Array Will be :
1 -> 2 -> 3 -> 4 -> 6 -> 8 ->

Process finished with exit code 0
```