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| --- |
| package vandana.projects.com; |
|  |  |
|  | public class SelectionSort { |
|  |  |
|  | public static void main(String[] args) { |
|  | int[] arr = {7,6,3,1,2,8,5}; |
|  | int length = arr.length; |
|  | selectionSort(arr); |
|  | System.out.println("The sorted elements are:"); |
|  | for(int i:arr){ |
|  | System.out.println(i); |
|  | } |
|  | } |
|  | public static void selectionSort(int[] arr){ |
|  | for(int i=0;i<arr.length-1;i++){ |
|  | int index =i; |
|  | for(int j=i+1;j<arr.length;j++){ |
|  | if(arr[j]<arr[index]){ |
|  | index =j; |
|  | } |
|  | } |
|  | int smallNumber = arr[index]; |
|  | arr[index]= arr[i]; |
|  | arr[i]= smallNumber; |
|  | } |
|  | } |
|  | } |