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| --- |
| package vandana.projects.com; |
|  |  |
|  | public class InsertionSort { |
|  |  |
|  | public static void main(String[] args) { |
|  | int[] arr = {4,16,3,21,44}; |
|  | insertionSort(arr); |
|  | for(int i=0;i<arr.length;i++){ |
|  | System.out.println(arr[i]); |
|  | } |
|  | } |
|  | public static void insertionSort(int[] arr){ |
|  |  |
|  | int len = arr.length; |
|  | for(int j=1;j<len;j++){ |
|  | int key = arr[j]; |
|  | int i=j-1; |
|  | while ((i>-1) && (arr[i]>key)){ |
|  |  |
|  | arr[i+1]=arr[i]; |
|  | i--; |
|  | } |
|  | arr[i+1]=key; |
|  | } |
|  |  |
|  | } |
|  |  |
|  |  |
|  | } |