**package day\_8;**

**public class Peak\_Element {**

**static int findPeakElement(int[] num) {**

**int max = num[0];**

**int index = 0;**

**for(int i=1; i<=num.length-2; i++){**

**int prev = num[i-1];**

**int curr = num[i];**

**int next = num[i+1];**

**if(curr > prev && curr > next && curr > max){**

**index = i;**

**max = curr;**

**}**

**}**

**if(num[num.length-1] > max){**

**return num.length-1;**

**}**

**return index;**

**}**

**public static void main(String[] args) {**

**int arr[] = {1,2,3,6};**

**System.out.println("Peak point is " +findPeakElement(arr));**

**}**

**}**