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 1
 2import java.io.IOException;
 5public class Item2
 6{
 7    static  int minimum (int arr[], int n, int k) {
 8        int result= Integer.MAX_VALUE;
 9        Arrays.sort(arr);
10        for(int i=0; i<=n-k; i++)
11        {
12            result=Math.min(result, arr[i+k-1]-arr[i]);
13            }
14        return result;
15        }
16        static int getting(int res,int arr[],int n,int k) {
17            int result=Integer.MAX_VALUE;
18            for(int i=0; i<=n;i++) {
19                result=Math.min(result, arr[i+k-1]-arr[i]);
20                if(res==result)
21                    return i;
22            }
23        return 0;
24        }
25    public static void main(String[] args) throws IOException{
26        int arr[]=
  {7980,22349,999,2799,229900,11101,9999,2195,9800,4999};
27        //input file items
28        String items[]= {"Fitbit Plus: 7980","IPods: 22349","MI
  bands: 999",
29                "Cult Pass: 2799","Macbook Pro: 229900","Digital
  Camera: 11101",
30                "Alexa: 9999","Sandwich Toaster: 2195","Microwave
  Oven: 9800","Scale: 4999"};
31        int n=arr.length;
32        System.out.println("Enter the number of employees");
33        Scanner sc=new Scanner(System.in);
34        int k=sc.nextInt();
35        int result =minimum(arr,n,k);
36        System.out.println("Number of the employees: "+k);
37        int start=getting(result,arr,n,k);
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38          System.out.println("Here the input_items that are selected
  for distribution are:");
39          for(int i=start;i<start+k;i++)
40              System.out.println(items[i]);
41          System.out.println("And the difference between the chosen
  goodie with highest price and the lowest price is: "+result);
42      }
43  }
44
```