

Main.java



Run

```
1 // Online Java Compiler
2 import java.util.Arrays;
3 import java.util.Scanner;
4
5 public class Highpeak {
6
7     static int minDiff(int array[], int N, int M)
8     {
9         int result = Integer.MAX_VALUE;
10        Arrays.sort(array);
11        for (int i=0; i<= N-M;i++)
12            result = Math.min(result, array[i + M -
13                               1] - array[i]);
14        return result;
15    }
```

.java



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}

```
static int findelements(int res, int array[],  
    int N, int M)
```

```
{
```

```
    int result = Integer.MAX_VALUE;
```

```
    for(int i=0; i<=N; i++)
```

```
    {
```

```
        result = Math.min(result, array[i + M -  
            1] - array[i]);
```

```
        if (res==result)
```

```
            return i;
```

```
    }
```

```
    return 0;
```

```
}
```

ain.java



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```
return 0;
```

```
}
```

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

```
    int array[]={7980,22349,999,2799,229900  
                ,11101,9999,2195,9800,4999};
```

```
    String items[]={ "MI Band: 999","Sandwich  
                    Toaster: 2195" ,"Cult Pass: 2799"  
                    ,"Scale: 4999","Fitbit Plus: 7980"  
                    ,"Microwave Oven: 9800" ,"Alexa: 9999"  
                    ,"Digital Camera: 11101", "IPods:  
                    22349","Macbook Pro: 229900" };
```

```
    int N = array.length;
```

```
    System.out.println("Enter the number of  
                        employees");
```


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```
system.out.println("Enter the number of
    employees");
Scanner s = new Scanner(System.in);
int M=s.nextInt();
int result=minDiff(array, N, M);
System.out.println("Number of the employees
    :"+M);
int startindex=findelements(result,array,N
    ,M);
System.out.println("Here the goodies that
    are selected for distribution are:");
for(int i=startindex;i<startindex+M;i++)
    System.out.println(items[i]);
System.out.println("\n");
System.out.println("And the difference
    between the chosen goodies with highest
    price and the lowest price is:"+result
```

