Video link:-

https://drive.google.com/file/d/1dFcv5PAws8vGTJf6T5HMzA6Dl3OStIb1/view?usp=drivesdk

Code:

```
import java.io.*;
import java.util.*;

public class Main
{
	public static void main(String[] args) {
		int [] arr1 = new
int[]{7980,22349,999,2799,229900,11101,9999,2195,9800,4999};

String [] arr2 = new String[]{"Fitbit Plus","IPods","MI Band","Cult Pass","Macbook
Pro","Digital Camera","Alexa","Sandwich Toaster","Microwave Oven","Scale"};
        goodies [] arr = new goodies[10];
        for(int i = 0;i<10;i++)
        {
            arr[i] = new goodies(arr2[i],arr1[i]);
        }
        Arrays.sort(arr,new MyCmp());
           Scanner sc = new Scanner(System.in);
           int n = sc.nextInt();
           int min = Integer.MAX_VALUE;
           int start = 0;
           //List<goodies> list = new ArrayList<goodies>();
           int finstart =0;
           int finend = n;
           int end = n;
           //System.out.print("diff " + (end - start));
           for(int i = n-1;i<arr.length;i++)
           {
               if(arr[i].value-arr[start].value < min)
               {
                   min = arr[i].value-arr[start].value;
                   finstart = start;
                   finend = i;
               }
               start++;
           }
           start--;
           System.out.println("Number of the employees: " + n);
           System.out.println("Here the goodies that are selected for distribution
are:");
           for(int i = finstart;i<=finend && i<10;i++)
           {
               System.out.println(arr[i].name + ": " + arr[i].value);
           }
           System.out.println("");
           System.out.print("And the difference between the chosen goodie with highest
price and the lowest price is " + min);
	}
}
	class goodies
	{
	    String name;
	    int value;
	    goodies(String a,int b)
	    {
	        name = a;
```

```
                value = b;
            }
        }
        class MyCmp implements Comparator<goodies>
        {
            public int compare(goodies g1,goodies g2)
            {
                return g1.value - g2.value;
            }
        }
```

Output:

When we give input as 4

```
Number of the employees: 4
Here the goodies that are selected for distribution are:
Fitbit Plus: 7980
Microwave Oven: 9800
Alexa: 9999
Digital Camera: 11101

And the difference between the chosen goodie with highest price and the lowest price
is 3121
```

When we give input as 6

```
Number of the employees: 6
Here the goodies that are selected for distribution are:
Sandwich Toaster: 2195
Cult Pass: 2799
Scale: 4999
Fitbit Plus: 7980
Microwave Oven: 9800
Alexa: 9999

And the difference between the chosen goodie with highest price and the lowest price
is 7804
```

When we give input as 2

```
Number of the employees: 2
Here the goodies that are selected for distribution are:
Microwave Oven: 9800
Alexa: 9999

And the difference between the chosen goodie with highest price and the lowest price
is 199
```