Java Week 1:Q5

Complete the code segment to find the highest mark and average mark secured by Hari in "s" number of subjects.

Sample Test Cases

<table>
<thead>
<tr>
<th>Test Case 1</th>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>20 50</td>
<td>30.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test Case 2</th>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>10 40</td>
<td>28.0</td>
</tr>
<tr>
<td></td>
<td>40 30</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

Sample solutions (Provided by instructor)

```java
import java.util.Scanner;
public class Exercise1_5 {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        double mark_avg;
        int result;
        int i;
        int s;
        //define size of array
        s = input.nextInt();
        int[] arr = new int[s];
        for(i=0;i<arr.length;i++)
            arr[i]=input.nextInt();
        //initialise maximum element as first element of array.
        int max=arr[0];
        double sum=arr[0];
        //traverse array elements to get the current max
        for(i=1;i<arr.length;i++)
            if(arr[i]>max)
                max=arr[i];
        for(i=1;i<arr.length;i++)
            sum+=arr[i];
        mark_avg = sum/max;
        //get maximum mark and average mark
        System.out.println(max); //50.0
        System.out.println(mark_avg); //30.0
    }
}
```
```java
    23     { sum=sum+arr[i];
    24         if(arr[i]>max)
    25             max =arr[i];
    27     }
```

28  //Store the highest mark in the variable max
29  //Store average mark in avgMarks
30  
31  result=max;
32  mark_avg=sum/(arr.length);
33  //Evaluation code
34  System.out.println(result);
35  System.out.println(mark_avg);
36  }
37 }

23 24 25 26 27 28 29 30 31 32 33 34 35 36 37
```