Due: Tuesday, April 28

A new singing competition is being organized in Texas. Five judges score the performers to determine a winner. Each judge scores the performer between 0 and 10, fraction scores with 1 decimal place such as 5.7 are allowed. A performer’s final score is found by eliminating the highest judge’s score and the lowest judge’s score then averaging the remaining 3 scores.

You are to read a file in which each line consists of the contestant’s last name followed by the 5 scores.

You must write and utilize the following functions:

double Calculate_Score (int A, int B, int C, int D, int E)
   Accepts the 5 scores from the calling function.
   Calculates and returns the average score.
   Calls Find_Lowest and Find_Highest functions.

double Find_Lowest (int A, int B, int C, int D, int E)
   Accepts the 5 scores from the calling function.
   Returns the lowest score.

double Find_Highest (int A, int B, int C, int D, int E)
   Accepts the 5 scores from the calling function.
   Returns the highest score.

For each contestant, print the following information with headers. Print the average with 3 decimal places and the individual scores with 1 decimal place. Values must be aligned.

<table>
<thead>
<tr>
<th>Name</th>
<th>Avg. Score</th>
<th>Judges’ scores</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smithson</td>
<td>8.000</td>
<td>7.0 8.0 9.4  3.0 9.0</td>
</tr>
<tr>
<td>Marshall</td>
<td>4.667</td>
<td>9.0 2.0 4.0  1.5 8.0</td>
</tr>
</tbody>
</table>

The set of data you are to use will be posted on the web site.