ALICE, 2010: End of Course Survey (Excerpt)

1. Please rate your skill-level in the following stages of the computer programming development cycle.
   Answer choices: 5-point scale, 1 (Low) to 5 (High)
   a. Design
   b. Code
   c. Test
   d. Debug

2. Please rate yourself in the following computer programming skills related to the design and implementation of:
   Answer choices: 5-point scale, 1 (Low) to 5 (High)
   a. Objects
   b. Classes
   c. Procedures (Methods)
   d. Functions (Methods)
   e. Parameters
   f. Selection/Decision Control Structures (if/else statements)
   g. Repetition Control Structures (loops, iterations)
   h. Arrays
   i. Variables
   j. Events (mouse click and/or keyboard entries), Event Handlers/Event Listeners
   k. Building arithmetic expressions
   l. Sequence Control Structures (Do in order)

3. Please rate your experience with Alice in the following areas
   a. I found Alice engaging (e.g., the software kept my attention).
   b. I found Alice easy to use
   c. Alice helped me understand computer-programming concepts.

4. Overall self-ratings in computer science and programming.

<table>
<thead>
<tr>
<th></th>
<th>Rating 1 (low) to 5 (high)</th>
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</thead>
<tbody>
<tr>
<td>Please rate your level of <strong>understanding</strong> of computer programming (e.g., the process of writing, testing, troubleshooting, and maintaining the source code of computer programs).</td>
<td>1  2  3  4  5</td>
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<tr>
<td>Please rate your level of <strong>confidence</strong> that you can improve your understanding of computer programming.</td>
<td>1  2  3  4  5</td>
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<tr>
<td>Please rate your <strong>current skill level</strong> in computer programming.</td>
<td>1  2  3  4  5</td>
</tr>
<tr>
<td>Please rate your level of <strong>confidence</strong> that you can improve your skill level in computer programming.</td>
<td>1  2  3  4  5</td>
</tr>
<tr>
<td>Please rate your level of <strong>understanding</strong> of computer science (e.g., how computers work and how programs are executed).</td>
<td>1  2  3  4  5</td>
</tr>
<tr>
<td>Please rate your level of <strong>confidence</strong> that you can improve your understanding of computer science.</td>
<td>1  2  3  4  5</td>
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