App Development: Intro to App Lab
Pre-Assessment

Section 1: Please select the correct answer for each of the following questions:

1. What block would you use to change the text of a button?
   a. `setProperty(\"button1\", \"background-color\", \"red\")`
   b. `setProperty(\"screen1\", \"image\", \"https://code.org/images/logo.png\")`
   c. `setProperty(\"button1\", \"text\", \"Good morning!\")`
   d. `setProperty(\"button1\", \"text-color\", \"green\")`

2. What set of blocks would you use to change the color of the screen when you click a button?
   a. `onEvent(\"onButton\", \"click\", function(){
      setProperty(\"screen1\", \"background-color\", \"white\")
   });`
   b. `onEvent(\"onButton\", \"keyUp\", function(){
      setProperty(\"screen1\", \"image\", \"https://code.org/images/logo.png\")
   });`
   c. `onEvent(\"onButton\", \"click\", function(){
      setProperty(\"screen1\", \"icon-color\", \"red\")
   });`
   d. `onEvent(\"onButton\", \"change\", function(){
      setProperty(\"screen1\", \"background-color\", \"red\")
   });`

3. What programming language is used to make apps and website interactive?
   a. Python
   b. JavaScript
   c. CSS
   d. HTML
**Section 2:** Please choose the number on the scale that best indicates how strongly you agree or disagree with the following statements:

<table>
<thead>
<tr>
<th>Statement</th>
<th>Strongly disagree</th>
<th>Strongly agree</th>
</tr>
</thead>
<tbody>
<tr>
<td>I understand apps and how they are created.</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>I feel confident in my ability to learn more about app development.</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>I am interested in learning more about app development.</td>
<td>1</td>
<td>5</td>
</tr>
</tbody>
</table>

**Section 3:** Please select from the choices below:

1. Circle your grade level.

<table>
<thead>
<tr>
<th>K</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
</table>

2. Select the sentence that best describes you.
   
a. I am a boy.
b. I am a girl.
c. Prefer not to answer.
**App Development: Intro to App Lab**

**Post-Assessment**

**Section 1:** Please select the correct answer for each of the following questions:

1. What programming language is used to make apps and website interactive?
   a. Python  
   b. JavaScript  
   c. CSS  
   d. HTML

2. What block would you use to change the text of a button?
   a. `setProperty("button1", "background-color", "red");`
   b. `setProperty("screen1", "image", "https://code.org/images/logo.png");`
   c. `setProperty("button1", "text", "Good morning!");`
   d. `setProperty("button1", "text-color", "green");`

3. What set of blocks would you use to change the color of the screen when you click a button?
   a. `onEvent("onButton", "click", function(){
       setProperty("screen1", "background-color", "white");
    });`
   b. `onEvent("onButton", "keyup", function(){
       setProperty("screen1", "image", "https://code.org/images/logo.png");
    });`
   c. `onEvent("onButton", "click", function(){
       setProperty("screen1", "icon-color", "red");
    });`
   d. `onEvent("onButton", "change", function(){
       setProperty("screen1", "background-color", "red");
    });`
Section 2: Please choose the number on the scale that best indicates how strongly you agree or disagree with the following statements:

<table>
<thead>
<tr>
<th></th>
<th>Strongly disagree</th>
<th>Strongly agree</th>
</tr>
</thead>
<tbody>
<tr>
<td>I understand apps and how they are created.</td>
<td>1 2 3 4 5</td>
<td></td>
</tr>
<tr>
<td>I feel confident in my ability to learn more about app development.</td>
<td>1 2 3 4 5</td>
<td></td>
</tr>
<tr>
<td>I am interested in learning more about app development.</td>
<td>1 2 3 4 5</td>
<td></td>
</tr>
</tbody>
</table>

Section 3: Please select from the choices below:

1. Circle your grade level.

   K 1 2 3 4 5 6 7 8 9 10 11 12

2. Select the sentence that best describes you.

   a. I am a boy.
   b. I am a girl.
   c. Prefer not to answer.