



## Python Scored Quiz

<b>Pre-work</b>	3 options: 1) Use <a href="https://trinket.io">https://trinket.io</a> - If you don't have a free account, sign up for one. 2) Use <a href="https://replit.com">https://replit.com</a> - If you don't have an account, you can sign up for a Starter Account 3) Install Python from <a href="https://python.org">https://python.org</a> and use the IDLE Editor	
<b>Before Coding</b>	Use the <a href="#">Quiz Planning Worksheet</a> to write out the questions and potential responses (use multiple copies of the first page if you will have more than 3 questions). Use the final page to determine point ranges for the final messages.	
<b>Getting Started</b>	Create a new Trinket (choose Python), Replit (choose Python), or a New File in IDLE (save it as Quiz.py)	
<b>Code Start</b>	<pre>#Set initial score points = 0  #Quiz intro print("&lt;QUIZ TITLE&gt;") print("&lt;Quiz description&gt;")</pre>	<ul style="list-style-type: none"> <li>◆ start the user with 0 points</li> <li>◆ provide an introduction to your quiz</li> <li>◆ replace the &lt;some text here&gt; segments with items relevant for your quiz</li> </ul>
<b>Step 1: Set up a Question and the choices</b>	<pre>#Question # print("") print("Question #") print("&lt;Question Text Here&gt;") print("Select A if &lt;answer choice&gt;") print("Select B if &lt;answer choice&gt;") print("Select C if &lt;answer choice&gt;")</pre>	<ul style="list-style-type: none"> <li>◆ Each question should begin with a blank line to separate it from the previous question/item.</li> <li>◆ You should label each question - Replace the # in the print line and the final # in the comment line.</li> <li>◆ Include the text of the question and each possible response in a separate print statement, replacing &lt;Question Text Here&gt; and each &lt;answer choice&gt;.</li> <li>◆ Be sure your answer choices include what the User should type to select that response.</li> </ul>
<b>Step 2: Get the User's Response</b>	<pre>q# = input("Enter your choice: A, B, or C ")</pre>	<ul style="list-style-type: none"> <li>◆ Use input to get the User's Response</li> <li>◆ Replace the # after the q (no spaces) with the current question.</li> </ul>



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<b>Step 3: Score the response</b>	<pre>#Score Question # if q#.upper() == 'A':     points += 1 elif q#.upper() == 'B':     points += 3 else:     points += 2</pre>	<p>◆ Replace each # (other than the 1st one for the comment line) with the current question (e.g. 1 or 2 or 3...)</p> <p>◆ Adjust the points for choices A, B, etc. as needed.</p> <p>◆ The upper() function is included in case the user typed a lowercase letter</p>
<b>Step 4: Add more questions</b>		<p>◆ Repeat Steps 2 &amp; 3 for each question in your quiz.</p> <p>◆ Make sure you adjust the text and variables for each question (you don't want them all to be q1).</p>
<b>Step 5: Calculate the final score and display the results</b>	<pre>#Give results print("") print("") print("Your results:") if (points &gt;= 8):     print("&lt;Results Statement&gt;") elif (points &gt;= 5):     print("&lt;Results Statement&gt;") else:     print("&lt;Results Statement&gt;") print("") print("Thank you for playing my quiz!")</pre>	<p>◆ Leave at least one blank line to separate the results from your questions.</p> <p>◆ Adjust the points values as needed.</p> <p>◆ Add in the text to display for each point range.</p> <p>◆ End by thanking the user for playing.</p>

### Other things to try:

- Add more questions/choices
- Try a different subject
- Advanced: Store the questions and responses in lists or dictionaries