1. Consider your solution for the second project that added a search button.
   1. Provide a screenshot of the search button procedure.
   2. Provide a screenshot of the code that calls the search procedure.
   3. Describe what the search procedure does.
   4. Describe how the search procedure contributes to the overall functionality of the program.
   5. Explain in detailed steps how the search procedure works in enough detail that someone else could recreate it.
2. Consider testing your search procedure.
   1. Describe two possible calls to the search procedure that pass a different argument and cause a different segment of the search procedure to execute.
   2. Describe the condition(s) being tested by each call you described.
   3. Identify the results of each call you described.
3. Write AP text-style pseudocode for a linear search that searches through a list to find an item x. It should display *found* if the x is equal to an item in the list.
4. Give brief descriptions of the enhancements you added to your app for the third project, a quiz topic of your own choosing. Provide screenshots of important blocks and describe how you used them to solve certain programming problems.

**Portfolio Reflection Questions**

**Make a copy** of this document in your Portfolio Assignments folder and answer these questions in the spaces below. Once complete, turn in this assignment according to the steps given by your teacher.

[5.6 Quiz App Projects Curriculum Page](https://runestone.academy/runestone/books/published/mobilecsp/Unit5-Algorithms-Procedural-Abstraction/Quiz-App-Projects-Loops-with-Lists.html)

Answer the following questions:

1. Consider your solution for the second project that added a search button.

a. Provide a screenshot of the search button procedure.

b. Provide a screenshot of the code that calls the search procedure.

c. Describe what the search procedure does.

d. Describe how the search procedure contributes to the overall functionality of the program.

e. Explain in detailed steps how the search procedure works in enough detail that someone else could recreate it.

**Answer**

| <Insert First Screenshot Here> |
| --- |
| <Insert Second Screenshot Here> |
| Answer c-e here |

2. Consider testing your search procedure.

a. Describe two possible calls to the search procedure that pass a different argument and cause a different segment of the search procedure to execute.

b. Describe the condition(s) being tested by each call you described.

c. Identify the results of each call you described.

**Answer**

|  |
| --- |

3. Write AP text-style pseudocode for a linear search that searches through a *list* to find an item *x*. It should display *found* if the x is equal to an item in the list.

**Answer**

|  |
| --- |

4. Give brief descriptions of the enhancements you added to your app for the third project, a quiz topic of your own choosing. Provide screenshots of important blocks and describe how you used them to solve certain programming problems.

**Answer**

|  |
| --- |