



Congratulations! You passed!

Next Item



1. How does solving a programming problem usually start?

0 / 1 points



By writing a program

This should not be selected

Before you can write your program, you need to define the problem, and come up with a solution that is organized into steps that you can then translate into a program.



By learning a programming language



By asking for programming help from others



By formulating a clear problem statement



2. A crucial component of problem-solving is to understand the precise task you want to accomplish. Which two strategies best support this practice?

1 / 1 points



Write down the exact steps you take to solve an instance of the problem.

Correct



Write the pseudocode as a comment in your script.

Un-selected is correct



Work the largest example you can manage by hand.

Un-selected is correct



Work a smaller example by hand.

Correct



Write code for your best guess for how the problem can be solved.

Un-selected is correct



3. You have a problem statement and begin step one of the seven step process. You attempt to work an example by hand and find it difficult. What are the two most likely reasons?

1 / 1 points



You need domain knowledge.

Correct



There is a bug in your code.

Un-selected is correct



You need to find patterns.

Un-selected is correct



The algorithm does not work for every instance.

Un-selected is correct



The problem statement is unclear.

Correct



4. Which step comes immediately after Find Patterns in the seven-step process?

1 / 1 points



Check By Hand

Correct



Work Example By Hand



Run Test Cases



Translate To Code

