1 point

1. How does solving a programming problem usually start?

○ By writing a program

○ By learning a programming language

○ By asking for programming help from others

○ By formulating a clear problem statement

1 point

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

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

☐ Write the pseudocode as a comment in your script.

☐ Work the largest example you can manage by hand.

☐ Work a smaller example by hand.

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

1 point

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?

☐ You need domain knowledge.

☐ There is a bug in your code.

☐ You need to find patterns.

☐ The algorithm does not work for every instance.

☐ The problem statement is unclear.

1 point

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

○ Check By Hand

○ Work Example By Hand

○ Run Test Cases

○ Translate To Code

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