

PEDAC Problem Solving

Understand the Problem:

Identify the inputs of the problem:

Identify the outputs of the problem:

Are there any problem domains? If so what are they?

What are the explicit requirements?

What are the implicit requirements?

Create a mental model: (summarise the problem)

Examples: Test & Edge Cases

Test cases: (typical examples)

Edge cases: (negative numbers, 0 or extremely high values)

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Data Structure:

Based on your chosen programming language and expected input/outputs what is your chosen Data Structure?

Algorithm:

Based on your mental model and data structure:

- Use pseudo code to write a set of instructions that transforms your input into your desired output
- Test manually with test cases

And Finally Code!