



STEPS TO SOLVING A **PROGRAMMING PROBLEM**

1

UNDERSTAND

Understand the problem statement. What is the problem asking you to do? What are your expected inputs and outputs? Are there any extreme or additional test cases you should consider?

2

EXPECTED BEHAVIOR

What steps does your program need to take to get from the given input to the expected output? What is your algorithm or "recipe" for solving the problem?

3

SUPPORTING INFO

What additional information and requirements does the problem statement give you? Does it suggest certain methods? What information do you already know that can help? What questions do you have? As you learn the answers, add to your info.

4

MAPPING

Match your supporting information to the steps in your supporting information. For each step, what piece of supporting information will help you accomplish the step? You might want to create a table to keep organize your steps and info.

5

ASSEMBLE

Use your information from the previous steps to actually write the program. Your algorithm and mappings should make this step relatively simple.

6

TESTING

Use the test cases you identified in Step 1 to test your solution. If you encounter errors, recheck your steps and information, look for error messages, and analyze the actual results versus expected results.

Programming And Problem Solving

**Jeri R. Hanly, Elliot B. Koffman, Mohit P.
Tahiliani**

Programming And Problem Solving:

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