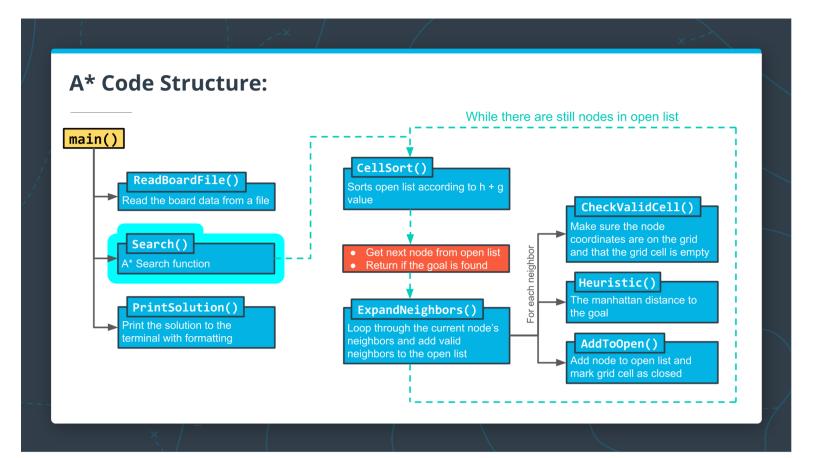
CODE: Starting A* Search

Starting A* Search

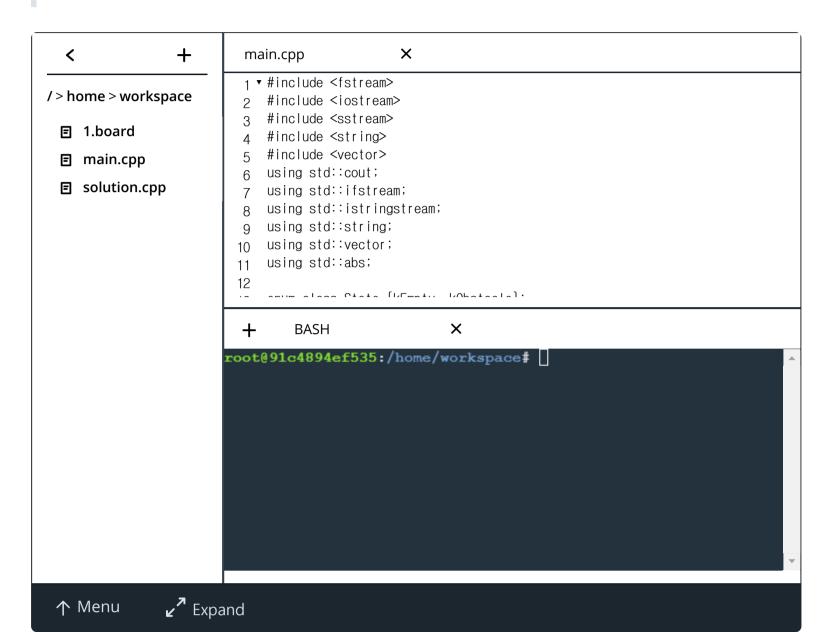
To get started with writing the A* search algorithm, you will first add a Search function stub that accepts and returns the appropriate variable types.



Starting with the Search() function

To Complete This Exercise:

Write a std::vector<vector<State>> Search function stub which takes a board grid and two length 2 int arrays as arguments. The int arrays will represent the start and goal coordinates for the search. The function should print ""No path found!" and return an empty std::vector<vector<State>>. The function will later return the board with a path from the start to the goal.
In main(), call Search with a start of {0, 0} and a goal of {4, 5}. Store the results in the variable solution.
Pass solution to PrintBoard.



11. CODE: Adding Nodes to the Ope...12. CODE: Initialize the Open Vector

Lesson 3:

A* Search

2. Motion Planning

5. Coding the Shortest Path Algorithm

SEARCH

RESOURCES

CONCEPTS

☑ 3. Maze

⊻ 4. Maze 2

☑ 7. Lesson Code Structure

8. CODE: Starting A* Search

☑ 13. CODE: Create a Comparison Fun...

14. CODE: Write a While Loop for the...

15. CODE: Check for Valid Neighbors

☑ 16. Constants

✓ 17. CODE: Expand the A* Search to ...✓ 18. Arrays

19. CODE: Adding a Start and End to ...

20. Congratulations!!

21. How to Become More Proficient ...