```
phase4.py > ...
24
      def a_star(start, goal):
 51
          return path if path[0] == start else []
52
      # Run A* and print results
54
      path = a_star(START, GOAL)
      print("Grid (1 = obstacle):")
56
      print(grid)
57
      print("\nPlanned Path from", START, "to", GOAL, ":")
      print(path if path else "No path found.")
58
                                                                                           N Python + ∨ □ ··· · · ×
PROBLEMS
         OUTPUT
                  DEBUG CONSOLE
                               TERMINAL
                                         PORTS
Grid (1 = obstacle):
[[0000000000]
 [0 0 0 0 0 0 0 0 0 1]
 [0 0 0 0 1 1 0 0 0 0]
 [0 0 0 0 0 0 0 0 0 0]
 [0010000000]
 [0000000001]
 [1000000100]
 [0 1 0 0 1 0 0 0 0 0]
 [0000010000]
 [0 0 0 0 0 0 1 1 0 1]]
Planned Path from (0, 0) to (8, 8):
[(0,0),(0,1),(0,2),(0,3),(0,4),(0,5),(1,5),(1,6),(2,6),(3,6),(4,6),(5,6),(5,7),(6,7),(6,8),(7,8),
(8, 8)
PS C:\Users\AMSHAVARTHEN.S\Desktop\Naan mudhvan>
                                                               Ln 58, Col 42 Spaces: 4 UTF-8 CRLF {} Python 🔠 3.12.4 ('base')
```