# Test Description

**Test Name or ID**: getGreenRoute– BlackBoxTest

**Test Type**: Black box

**Description**: This test aims to verify the correctness of the getGreenRoute function by examining its returned results. The function is expected to generate and return the route for green trucks as a struct Route object, which represents a series of coordinate points defining the path the green trucks should follow. The test will evaluate various aspects of the returned route, including its length, the specific coordinate points, and the color assigned to the route.

**Setup:** Ensure that the function is properly implemented and that the necessary dependencies are available.

**Test Function**: getGreenRoute()

**Test Scenarios:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Test Data | Expected Result | Actual Result | Pass/Fail |
| General Case | None | The returned route for green trucks is a struct Route object containing a series of coordinate points. |  |  |
| Route Length Verification | None | The length of the returned route is as expected. |  |  |
| Coordinate Points Verification | None | The coordinate points in the returned route match the predefined path for green trucks. |  |  |
| Route Color Verification | None | The color of the returned route is set to GREEN. |  |  |
| Multiple Function Calls | None | Calling the function multiple times returns the same route. |  |  |

**Bugs Found**: