# Test Description

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

**Test Type**: Black box

**Description**: The purpose of this test is to verify the functionality and expected results of the convertPointToStr function. The function is tested with various input scenarios to ensure it correctly converts a given Point structure into a string representation. The test cases cover general cases as well as edge cases, including minimum and maximum input ranges for both row and col. By comparing the actual output with the expected output, we can determine if the function accurately converts the Point structure to the corresponding string representation. This test aims to validate the correctness of the implementation and ensure the function behaves as intended across different input scenarios.

**Setup:** Provide the following parameters

|  |  |  |
| --- | --- | --- |
| Parameter | Member Variables | Description |
| const struct Point\* | char row | It represents the row value of the Point structure. |
| char col | It represents the column value of the Point structure. |

**Test Function**: convertStrToPoint()

**Test Scenarios:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Test Data | Expected Result | Actual Result | Pass/Fail |
| General Case | Point {row = 1, col = 3} | “B3" |  |  |
| Minimum Input Range | Point {row = 0, col = 0} | “A1" |  |  |
| Maximum Input Range | Point {row = 25, col = 8} | “Z9" |  |  |
| Row Edge Case | Point {row = 25, col = 5} | “Z6" |  |  |
| Col Edge Case | Point {row = 12, col = 26} | "M26" |  |  |
| Zero Row and Col | Point {row = 0, col = 0} | “A1" |  |  |

**Bugs Found**: