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| **Project Name**: Calculator | |
| **Test Case** | |
| **Test Case ID**: 38 | **Test Designed by**: Alan |
| **Test Priority (Low/Medium/High)**: Med | **Test Designed date**: 2023.10.22 |
| **Module Name**: sqrt module; | **Test Executed by**: Alan |
| **Test Title**: User calculates the square root (sqrt) with a valid input; | **Test Execution date**: 2023.10.22 |
| **Description**: User enters a valid input and expects to calculate the square root (sqrt) of that input. |  |
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| **Pre-conditions**: User has entered a valid non-negative number. | |
| **Dependencies**: | |

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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | User enters a valid non-negative number; | Enter a valid non-negative number (e.g., 16) | The entered number is displayed. | The entered number (e.g., 16) is displayed on the calculator. | Pass |  |
| 2 | User presses the sqrt button; | sqrt | The square root (sqrt) calculation is performed. | The square root (sqrt) calculation is performed, and the result (e.g., 4) is displayed. | Pass |  |
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| **Post-conditions:** |
| User has successfully used the sqrt button to calculate the square root (sqrt) of a valid non-negative number, and the test case is passed. |