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| **Project Name**: Calculator | |
| **Test Case** | |
| **Test Case ID**: 14 | **Test Designed by**: Alan |
| **Test Priority (Low/Medium/High)**: Med | **Test Designed date**: 2023.10.22 |
| **Module Name**: x ^ y button module; | **Test Executed by**: Alan |
| **Test Title**: User presses the x^y button; | **Test Execution date**: 2023.10.22 |
| **Description**: User presses the x^y (Exponentiation) button and expects to perform a power operation. |  |
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| **Pre-conditions**: User has entered base and exponent values. | |
| **Dependencies**: | |

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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | User enters a base number; | Enter a base number (e.g., 2) | The base number is displayed. | The base number (e.g., 2) is displayed on the calculator. | Pass |  |
| 2 | User enters an exponent number; | Enter an exponent number (e.g., 3) | The exponent number is displayed. | The exponent number (e.g., 3) is displayed on the calculator. | Pass |  |
| 3 | User presses the x^y button; | x^y | The power operation is performed. | The power operation is performed, and the result (e.g., 8) is displayed. | Pass |  |
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| **Post-conditions:** |
| User has successfully used the x^y button to perform a power operation, and the test case is passed. |