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| **Project Name**: Calculator | |
| **Test Case** | |
| **Test Case ID**: 23 | **Test Designed by**: Alan |
| **Test Priority (Low/Medium/High)**: Med | **Test Designed date**: 2023.10.22 |
| **Module Name**: x^y module; | **Test Executed by**: Alan |
| **Test Title**: User calculates x^y with valid inputs; | **Test Execution date**: 2023.10.22 |
| **Description**: User enters valid inputs for the base (x) and exponent (y) and expects to calculate x^y. |  |
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| **Pre-conditions**: User has entered valid numbers for both the base (x) and exponent (y). | |
| **Dependencies**: | |

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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | User enters a valid base (x); | Enter a valid base number (e.g., 2) | The entered base number is displayed. | The entered base number (e.g., 2) is displayed on the calculator. | Pass |  |
| 2 | User enters a valid exponent (y); | Enter a valid exponent number (e.g., 3) | The entered exponent number is displayed. | The entered exponent number (e.g., 3) is displayed on the calculator. | Pass |  |
| 3 | User presses the x^y button; | x^y | The x^y calculation is performed. | The x^y calculation 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 calculate x^y with valid inputs, and the test case is passed. |