Test Log Sheet: testProgram

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| **ID** | **Description** | **Test Data** | **Expected Result** | **Actual Result** | **Comments** |
| 1 | Addition of Strings | 5+9 | 14 | 59 | Adds strings rather than integers |
| 2 | Testing menu | 5 | Error message | Error message | Expected result |
| 3 | Multiply | 5x5 | 25 | 25 | As expected |
| 4 | Multiply negative numbers | -5x5 | -25 | -25 | As expected |
| 5 | Multiply large number | 999999999x999999999 | 1e16 | 9999999999800000000001L | Too large for int |
| 6 | Testing negative menu | -3 | Error message | Error message | Expected |
| 7 | Multiply decimal | 2.2 | Error message | Syntax error ValueError: | Could put in a message for user |
| 8 | Divide by 0 | 4/0 | Error message | Error message and menu displays twice | Change code so menu only display once |
| 9 | Divide by negative | 4/-4 | -1 | Divide by 0 error | Implement division by negative |
| 10 | Divide | 3/3 | 1 | 1.0 | No comment |
| 11 | Multiply letter | Axb | Syntax error | Value error | Could implement a message to the user |
| 12 | Menu letter | A | Syntax errot | Value error | Could implement a message to the user |
| 13 | Adding letter | A+B | Syntax error | AB | Change String to INT |

The test program enables the user to choose from a list of options presented inside a menu. Each option allows the user to perform a calcuation (add, multiply, divide) two numbers.When the user chooses an option, they are asked to input some values and the result is printed back to them.

* Option 1: The user can input two number values. The numbers are added together, and result is printed back to user.
* Option 2: The user can input two number values. The values are multiplied, and the result is printed back to the user.
* Option 3: The user can input two number values. The values are divided, and the result is printed back to user. They cannot divide by 0.
* Option 4: The user can choose to exit the program and will be presented with a suitable message.

If the user does not choose from these 4 options, then they must be presented with a suitable message and be presented with the menu to make another choice.

Run and test the program using some test data. Think about the types of data that can be used i.e. normal, extreme and exceptional.

Record your results in the test log sheet above.