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| --- | --- | --- | --- |
| **Input** | **Reason** | **Expected** | **Actual** |
| num\_1 = 2  num\_2 = 1  mode\_choice = 1 | User enters the addition mode and inputs valid values | 2 + 1 = 3 | 2 + 1 = 3 |
| num\_1 = 283  num\_2 = 100  mode\_choice = 2 | User enters the subtraction mode and inputs valid values | 283 - 100 = 183 | 283 – 100 = 183 |
| num\_1 = 10  num\_2 = 20  mode\_choice = 3 | User enters the multiplication mode and inputs valid values | 10 \* 20 = 200 | 10 \* 20 = 200 |
| num\_1 = 100  num\_2 = 50  mode\_choice = 4 | User enters the division mode and inputs valid values | 100 / 50 = 2 | 100 / 50 = 2 |
| num\_1 = 3  num\_2 = 2  mode\_choice = 5 | User enters the modulation mode and inputs the valid values | 3 % 2 = 1 | 3 % 2 = 1 |
| num\_1 = 3  num\_2 = 2  mode\_choice = 6 | User chooses a non-exist mode | Prompt a message asking user to choose mode | Your choice: 6  Mode should range from 1 to 6!  Your choice: |
| num\_1 = 2  num\_2 = | User misses a value | Prompt a message asking user to input proper values | Make sure both inputs are integers! |
| num\_1 = 2.5 | User enters a non-integer value | Prompt a message asking user to input proper values | Make sure both inputs are integers! |
| num\_1 = 100  num\_2 = 0  mode\_choice = 4 | User enters the division mode but enters zero as divisor | Prompt a message notifying that divisor must not be zero | Divisor must not be zero! |
| num\_1 = 56  num\_2 = 0  mode\_choice = 5 | User enters the modulation mode but enters zero as divisor | Prompt a message notifying that divisor must not be zero | Divisor must not be zero! |