Name – Varsha. G. Shenoy

TEST CASES

TIP CALCULATOR ASSIGNMENT

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **INPUTS** | | | **OUTPUTS** | |  |
| **Test Case No.** | **Bill** | **Tip%** | **Number of people** | **Tip per person** | **Total per person** | **Test case description** |
| 1 | 500.00 | 10 | 2 | $25.00 | $275.00 | Valid inputs |
| 2 | 500.00 | 10 | 3 | $16.67 | $183.33 | Valid inputs |
| 3 | 500.00 | 10 | 4 | $12.50 | $137.50 | Valid inputs |
| 4 | 0 | 0 | 0 | - | - | No outputs displayed when all inputs are 0 |
| 5 | 0 | 0 | 1 | $0.00 | $0.00 | If no. of persons is a positive number, values are displayed |
| 6 | 500.00 | 0 | 0 | - | - | If no. of persons is not a positive number, output not displayed |
| 7 | 500.00 | 10 | 0 | - | - | If no. of persons is not a positive number, output not displayed |
| 8 | 0 | 10 | 2 | $0.00 | $0.00 | If no. of persons is a positive number, values are displayed |
| 9 | 0 | 10 | 0 | - | - | If no. of persons is not a positive number, output not displayed |
| 10 | 500.00 | 0 | 1 | $0.00 | $500.00 |  |
| 11 | 500.00 | 0 | 2 | $0.00 | $250.00 |  |
| 12 | -100.00 | ERROR MESSAGE – INVALID INPUT | | | | Special characters not allowed |
| 13 | 500a | ERROR MESSAGE – INVALID INPUT | | | | Special characters and alphabets not allowed |
| 14 | 500.00. | ERROR MESSAGE – INVALID INPUT | | | | Special characters not allowed |
| 15 | C500 | ERROR MESSAGE – INVALID INPUT | | | | Special characters and alphabets not allowed |
| 16 | $500 | ERROR MESSAGE – INVALID INPUT | | | | Special characters not allowed |
| 17 | Rs. 500 | ERROR MESSAGE – INVALID INPUT | | | | Special characters and alphabets not allowed |
| 18 | 500.00 | 12% | ERROR MESSAGE – INVALID INPUT | | | Special characters not allowed |
| 19 | 250.00 | 10 | 25persons | ERROR MESSAGE – INVALID INPUT | | Special characters and alphabets not allowed |
| 20 | 250.00 | 10 | 25abc | ERROR MESSAGE – INVALID INPUT | | Special characters and alphabets not allowed |

* Calculate() function ensures that output is not displayed when all or any of the fields are empty

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Bill | Tip% | No. of people | Tip per person | Total per person |
| - | - | - | - | - |
|  | - | - | - | - |
|  |  | - | - | - |
|  | - |  | - | - |
| - |  | - | - | - |
| - |  |  | - | - |
| - | - |  | - | - |
|  |  |  |  |  |

* When (-) button for tip% and number of persons is clicked, we ensure that the value in textbox doesn’t get negative
* User will not be able to input any currency before the bill amount (or any other non-numeric data)