***SHRIYANSH TRIPATHI***

***[TEST PLAN]***

|  |  |  |
| --- | --- | --- |
| ***USER - INPUT*** | ***OUTPUT*** | ***EXPECTED RESULT*** |
| ***WGFWQFWE*** | ***ERROR*** | ***PASSED*** |
| ***^^&\*%^\*)%^&\*\*())^%%$#@*** | ***ERROR*** | ***PASSED*** |
| ***132 + 132*** | ***264*** | ***PASSED*** |
| ***-1+32*** | ***2*** | ***PASSED*** |
| ***56/0*** | ***NaN*** | ***PASSED*** |
| ***56/5.5*** | ***10.1818….*** | ***PASSED*** |
| ***98\*98*** | ***9604*** | ***PASSED*** |
| ***98\*45.012*** | ***4411.176*** | ***PASSED*** |
| ***898+456*** | ***1354*** | ***PASSED*** |
| ***42654.15+4564.65*** | ***47218.8*** | ***PASSED*** |
| ***C (CLEAR BUTTON)*** | ***Erased user’s input*** | ***PASSED*** |
| ***1234567890*** | ***1234567890*** | ***PASSED*** |
| ***+-\*/.*** | ***ERROR*** | ***PASSED*** |
| ***=*** | ***UNDEFINED*** | ***PASSED*** |
| ***-3 + -3*** | ***-6*** | ***PASSED*** |
| ***569-56*** | ***513*** | ***PASSED*** |
| ***(-6)-(-2)*** | ***-4*** | ***PASSED*** |
| ***(3)-(-6)*** | ***9*** | ***PASSED*** |
| ***-98\*-23*** | ***2254*** | ***PASSED*** |

|  |  |  |
| --- | --- | --- |
| ***41\*-41*** | ***-1681*** | ***PASSED*** |
| ***-56/-3*** | ***18.668*** | ***PASSED*** |
| ***99/-9*** | ***-11*** | ***PASSED*** |
| ***0/9*** | ***0*** | ***PASSED*** |
| ***BACKSPACE BUTTON*** | ***DELETE ONE LETTER OR NUMBER FROM BACKWARD*** | ***PASSED*** |
| ***EXPONENT ^ 5*** | ***148.33…*** | ***PASSED*** |
| ***Ln(89)*** | ***4.488…*** | ***PASSED*** |
| ***SQRT(49)*** | ***7*** | ***PASSED*** |
| ***7^SQUARE*** | ***49*** | ***PASSED*** |
| ***COS(12)*** | ***0.84385…*** | ***PASSED*** |
| ***TAN(29)*** | ***0.88714…*** | ***PASSED*** |
| ***SIN(90)*** | ***0.89399…*** | ***PASSED*** |

***FUNCTIONALITY TEST CASES***

* Check the addition of two integer numbers.
* Check the addition of two negative numbers.
* Check the addition of one positive and one negative number.
* Check the subtraction of two integer numbers.
* Check the subtraction of two negative numbers.
* Check the subtraction of one negative and one positive number.
* Check the multiplication of two integer numbers.
* Check the multiplication of two negative numbers.
* Check the multiplication of one negative and one positive number.
* Check the division of two integer numbers.
* Check the division of two negative numbers.
* Check the division of one positive number and one integer number.
* Check the division of a number by zero.
* Check the division of a number by negative number.
* Check the division of zero by any number.
* Check if the functionality using BODMAS/BIDMAS works as expected.