**Test Plan:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Description** | **Precondition** | **Expected I/p** | **Expected o/p** | **Actual o/p** |
| **TC\_HL\_01** | **Input from user** | **Accept the input** | **Provide the numbers and operation to be performed** | **Will show the inputs in display** | **Same as expected** |
| **TC\_HL\_02** | **Maths operations** | **Correct Calculation** | **Correct input symbol as pressed by the user.** | **Will do correct calculation** | **Same as expected** |
| **TC\_HL\_03** | **display** | **Display output** | **proper display of output which can be interpreted by humans.** | **will display results clear visibility** |  |
| **TC\_LL\_01** | **Format of result** | **Format of the output can be more than one type** | **No expected input** | **Will show error or fatal error** | **Operation has performed** |
| **TC\_LL\_02** | **Divide by zero** | **If the numerator is zero** | **decimal with number 0** | **0** | **0** |
| **EX-01** | **Addition of 2 numbers** | **User input** | **7 and 3** | **10** | **10** |
| **EX-02** | **Subtraction of 2 numbers** | **User input** | **5 and 2** | **3** | **3** |
| **EX-03** | **Division of 2 number s** | **User input** | **4 and 2** | **2** | **2** |
| **EX-04** | **Multiplication of 2 numbers** | **User input** | **5 and 7** | **35** | **35** |
| **EX-05** | **Square of a number** | **User input** | **25** | **5** | **5** |
| **EX-06** | **sine** | **User input** | **30** | **-0.98** | **-0.98** |
| **EX-07** | **cosine** | **User input** | **0** | **1** | **1** |
| **EX-08** | **Factorial of a number** | **User input** | **3** | **6** | **6** |
| **Ex-09** | **tangent** | **User input** | **45** | **1.61** | **1.61** |
| **EX-10** | **Power of number** | **User input** | **4 and 2** | **16** | **16** |