## **TEST CASE PLAN**

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| ID | Description | Precondition | Expected input | Expected output | Actual output |
| TC\_01 | Check calculator is by its on button | Enough power | Press ON key | Display calculator. |  |
| TC\_02 | Check all number keys are working. | Ensure calculator is on | Press key from 0 to 9 | Display the corresponding pressed key |  |
| TC\_03 | Check if clear key is working. | Calculator on | Press clear key | Already displayed value should be erased from display |  |
| TC\_04 | Check if square and square roots key are working. | Calculator on | Press corresponding keys | Display the squared value as well as the root of given operand |  |
| TC\_05 | Check if arithmetic keys are working. | Calculator on | Press any arithmetic key | All buttons should work fine according to requirements |  |
| TC\_06 | Check sum by adding 0 and 0. | Calculator on | Give 0+0 | Display 0 |  |
| TC\_07 | Check subtraction of -10 and 5 | Calculator on | Input -10  And 5 | Display -5 |  |
| TC\_08 | Check division by 0 | Calculator on | 1,0 | error |  |
| TC\_09 | Check factorial of 0 | Calculator on | 0 | 1 |  |
| TC\_10 | Check 2 to the power 2 | Calculator on | 2,2 | 4 |  |
| TC\_11 | Check squareroot of 4 | Calculator on | 4 | 2 |  |