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| **Scenario** | **Test Case** | **Expected Result** | **Generated Error message** |
| Specify the test cases | Line # that the test case located in test.tig file | All test cases should generate an error message. So leave this column blank for all test cases. | Put the error message generated by the test case here |
| Test case 1 | 24 |  | Test.tig:25.1: lvalue is not of array type |
| Test case 2 | 26 |  | Test.tig:26.1: lvalue is not of array type |
| Test case 3 | 29 |  | Test.tig:29.8: The left operand must be of type: INT |
| Test case 4 | 30 |  | Test.tig:30.1: The right operand must be of type: INT |
| Test case 5 | 32 |  | Test.tig:32.8: The two operands are not compatible |
| Test case 6 | 33 |  | Test.tig:33.1: The two operands are not compatible |
| Test case 7 | 34 |  | Test.tig:34.1: The two operands cannot both be of type: NIL |
| Test case 8 | 36 |  | Test.tig:36.8: The two operands are not compatible |
| Test case 9 | 37 |  | Test.tig:37.1: The two operands are not compatible |
| Test case 10 | 40 |  | Test.tig:40.1: function name is undefined |
| Test case 11 | 41 |  | Test.tig:41.1: function name is already defined as variable |
| Test case 12 | 42 |  | Test.tig:42.1: the # of expressions doesn't match the # of parameters |
| Test case 13 | 43 |  | Test.tig:43.1: the # of expressions doesn't match the # of parameters |
| Test case 14 | 44 |  | Test.tig:44.1: the type of exp\_i doesn't match the type of param\_i |
| Test case 15 | 47 |  | Test.tig:47.1: lvalue type and expression type are not compatible |
| Test case 16 | 50 |  | Test.tig:50.1: then-clause must be of type: VOID |
| Test case 17 | 51 |  | Test.tig:51.1: then-clause must be of type: VOID |
| Test case 18 | 52 |  | Test.tig:52.30: The two operands are not compatible |
| Test case 19 | 55 |  | Test.tig:55.1: test must be of type: INT |
| Test case 20 | 58 |  | Test.tig:58.1: body of for loop should produce no value |
| Test case 21 | 59 |  | Test.tig:59.1: body of for loop should produce no value |
| Test case 22 | 60 |  | Test.tig:60.1: body of for loop should produce no value |
| Test case 23 | 62 |  | Test.tig:63.1: array type does not exist |
| Test case 24 | 63 |  | Test.tig:64.1: array type does not exist |
| Test case 25 | 65 |  | Test.tig:65.1: array size must be of type: INT |
| Test case 26 | 66 |  | Test.tig:66.1: init value is not compatible with type of elements in the array |
| Test case 27 | 19 |  | Test.tig:19.31: incompatible types in variable declaration expression |
| Test case 28 | 20 |  | Test.tig:20.5: variable vname is already defined at line 19 |