**Project 4**

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My Approach:

I focused on using last weeks reading for this project and the tips you gave in the “Project 4 Approach” pdf.

Test Cases:

|  |  |  |  |
| --- | --- | --- | --- |
| Input | Expected Output | Actual Output | Pass/Fail |
| Remainder Operator Requires Integer Operands  semantic11.txt | Semantic Error, Remainder Operator Requires Integer Operands | Semantic Error, Remainder Operator Requires Integer Operands | Pass |
| If-Then Type Mismatch  Semantic13.txt | Semantic Error, If-Then Type Mismatch | Semantic Error, If-Then Type Mismatch |  |
| Case Types Mismatch  Semantic18.txt | Semantic Error, Case Types Mismatch | Semantic Error, Case Types Mismatch |  |
| If Condition Not Boolean  Semantic12.txt | Semantic Error, If Expression Must Be Boolean | Semantic Error, If Expression Must Be Boolean |  |
| Case Expression Not Integer  Semantic17.txt | Semantic Error, Case Expression Not Integer | Semantic Error, Case Expression Not Integer |  |
| Narrowing Variable Initialization  Semantic14.txt | Semantic Error, Illegal Narrowing Variable Initialization | Semantic Error, Illegal Narrowing Variable Initialization |  |
| Duplicate Variable  Semantic16.txt | Semantic Error, Duplicate Identifier: b | Semantic Error, Duplicate Identifier: b |  |
| Narrowing Function Return  Semantic15.txt | Semantic Error, Illegal Narrowing Function Return | Semantic Error, Illegal Narrowing Function Return |  |

Test Case 1:

Remainder Operator Requires Integer Operands

Text

Description automatically generated

Test Case 2:

If-Then Type Mismatch

Text

Description automatically generated

Test Case 3:

Case Types Mismatch

Text

Description automatically generated

Test Case 4:

If Condition Not Boolean

Text

Description automatically generated

Test Case 5:

Case Expression Not Integer

Text

Description automatically generated

Test Case 6:

Narrowing Variable Initialization

Text

Description automatically generated

Test Case 7:

Duplicate Variable

Text

Description automatically generated

Test Case 8:

Narrowing Function Return

Text

Description automatically generated