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CIS 22B De Anza

Part 4: Submit your test plan (MS DOC or PDF format) to describe how you test your project including screen shots or copy and paste of your sample runs. You have to test many use cases including normal cases and error cases (including invalid input) etc.. You may need to do Google search to get a sample template of a test plan to use. There is no right or wrong template. The more details and more test cases you have in your test plan, the better score you'll get.

Environment

OS: Windows 11

Interface: Terminal / Command Prompt

Test Cases

#	Description	Input Command	Expected Output
1	Create valid constant	`const X = 10`	`X(10) const`
2	Create valid variable	`Y = 25`	`Y(25)`
3	Assign variable from constant	`Z = X`	`Z(10)`
4	Assign variable from another var	`A = Y`	`A(25)`
5	List all variables/constants	`list`	Shows all entries with types + count
6	Print one variable	`Z`	`Z(10)`

7	Reassign a constant (invalid case)	`X = 99`	Error: cannot assign to constant
8	Create variable with negative value	`Neg = -5`	Error: Invalid variable value...
9	Exit the program	`exit`	Exiting...

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C:\Windows\System32\cmd.e    ×    +  ∨                                               —    □    ×

C:\Users\mruyg\Desktop\CIS 22B\Project 4>main.exe
Please enter variable assignment, variable name only or list or exit:
const X = 10
X(10) const
Y = 25
Y(25)
Z = X
Z(10)
A = Y
A(25)
list
X(10) const
Y(25)
Z(10)
A(25)
Number of variables/constants: 4
Z
Z(10)
X = 99
Invalid assignment. Cannot assign new value to a constant.
X(10) const
Neg = -5
Error: Invalid variable value: Cannot be negative.
exist
Undefined
exit
Exiting...

C:\Users\mruyg\Desktop\CIS 22B\Project 4>
```