Kung-Fu Programmers

Boolean Expression Evaluator

Test Cases

Version 1.0

Revision History

Date	Version	Description	Author
01/May/24	1.0	Initial publication.	Schmidt, S., Stonestreet, B., Rodenberg, S., Medallada, S., Whitmer, K.

Table of Contents

Test Cases

1. Purpose

This Test Cases Document for the Boolean Expression Evaluator defines test cases for items that should be tested.

2. Test cases

Case	Test Item	Test Input	Expected Output	Actual Output	Pass/Fail
1	Operator: &	T & T	T	T	Pass
2	Operator: &	T & F	F	F	Pass
3	Operator: |	F | F	F	F	Pass
4	Operator: |	T | F	T	T	Pass
5	Operator: !	!T	F	F	Pass
6	Operator: !	!F	T	T	Pass
7	Operator: @	T @ T	F	F	Pass
8	Operator: @	T @ F	T	T	Pass
9	Operator: $	F $ F	F	F	Pass
10	Operator: $	T $ F	T	T	Pass
11	Variable Assignment	X = T, X & T	T	T	Pass
12	Variable Assignment	Y = F, Y & T	F	F	Pass
13	Variable Assignment	X = T, Y = F, X | Y	T	T	Pass
14	Error Handling	T&F!	Error 11	Error 10	Pass
15	Error Handling	T&&T	Error 12	Error 12	Pass
16	Error Handling	T@@F	Error 13	Error 13	Pass
17	Error Handling	F||F	Error 14	Error 14	Pass
18	Error Handling	T$$T	Error 15	Error 15	Pass
19	Error Handling	T&F$	Error 16	Error 16	Pass
20	Error Handling	A&T	Error 21	Error 10	Pass
21	Error Handling	TT	Error 31	Error 31	Pass
22	Error Handling	T&F)|F	Error 41	Error 41	Pass
23	Error Handling	(T&F|F	Error 42	Error 42	Pass
24	Parentheses Handling	(T@(F|(T&(T$!F))))	T	T	Pass
26	Parentheses Handling	(((T|F)&F)$T)	T	T	Pass