

Functional Test Table

Test Case #	Test Purpose	Test Procedure	Required Inputs	Expected Results	Results	Pass/Fail
1	To test an identifier token "epsilon". Expect to SHOW up in Cross Reference Information section	Assert that the require input is present in input file NEWTON.PAS	epsilon.	1: epsilon. >> <IDENTIFIER> epsilon >> . . Cross Reference Information Identifier Line Numbers ----- --- epsilon 1	1: epsilon. >> <IDENTIFIER> epsilon >> . . Cross Reference Information Identifier Line Numbers ----- --- epsilon 1	passed
2	To test a none-identifier token "Program". Expect to NOT show up in Cross Reference Information section.	Assert that the require input is present in input file NEWTON.PAS	Program.	1: Program. >> PROGRAM program >> . . Cross Reference Information Identifier Line Numbers ----- ---	1: Program. >> PROGRAM program >> . . Cross Reference Information Identifier Line Numbers ----- ---	passed
3	To test an Identifier token - writeln	Assert that the require input is present in input file NEWTON.PAS at line 11	writeln;	11: writeln; >> <IDENTIFIER> writeln >> ; ;	11: writeln; >> <IDENTIFIER> writeln >> ; ;	passed

4	To test a Number token - 1	Assert that the require input is present in input file NEWTON.PAS at line 26	root := 1;	26: root := 1; >> <IDENTIFIER> root >> := := >> <NUMBER> 1 >> ; ;	26: root := 1; >> <IDENTIFIER> root >> := := >> <NUMBER> 1 >> ; ;	passed
5	To test a Reserve word (Key word) token - CONST	Assert that the require input is present in input file NEWTON.PAS at line 3	CONST	3: CONST >> CONST const	3: CONST >> CONST const	passed
6	To test a special character token - parentensis	Assert that the require input is present in input file NEWTON.PAS at line 13	read(number);	13: read(number); >> <IDENTIFIER> read >> ((>> <IDENTIFIER> number >>)) >> ; ;	13: read(number); >> <IDENTIFIER> read >> ((>> <IDENTIFIER> number >>)) >> ; ;	Pass
7	To test a special character token - the period (.)	Assert that the require input is present in input file NEWTON.PAS at line 13	END.	35: END. >> END end >> . .	35: END. >> END end >> . .	Pass