Activity 3- CI/Unit test Project

Calculator application using Function Pointers

Test Plan

Unit testing

Table 1 Unit test

Test ID	Description	Precondition	Input	Expected output	Actual output
H_02_L_01_t1	To check if add sub are working	Build and workflow are correct	5,4,0 6,-5,1	9 11	9 11
H_02_L_02_t2	To check multi and divide	Build and workflow are correct	6, 5, 2	30	30
H_02_L_03_t3	To check power	Build and workflow are correct	2, 2 ,4	4	4
H_02_L_04_t4	To call add function	No syntax errors	0 ,0, 0	Add function called return 0	0
H_03_L_01_t5	To find factorial	Build and workflow are correct	3, 7	6	6
H_03_L_02_t6	Call factorial function	Build and workflow are correct	3, 7	6	6
H_04_L_01_t7	To add matrix	Build and workflow are correct	Matrix input	Sum of matrix	---
H_01_L_01_t8	To add a new segment of code	Build and workflow are correct	Log function	Passing	Passing