

Informatics Institute of Technology

Department of Computing

InfoSchol Program 2019

Module: Programming Principles

Module Code: 4COSC006C

Course Work
(Test Plans)

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APPENDIX 1 – TEST PLAN for Part 1 - Assignment (Progress Outcomes):

Student Name: Mudith Perera				
Student ID: 2019845				
Test No.	Test Input	Expected Result	Actual Result (State if not attempted)	Pass/Fail
1	Pass = 120	'Progress' is displayed	Progress	Pass
2	Pass = 100 Defer = 20	'Progress – module trailer' is displayed	Progress-module trailer	Pass
3	Pass = 100 Fail = 20	'Progress – module trailer' is displayed	Progress-module trailer	Pass
4	Pass = 80 Defer = 20 Fail = 20	'Do not Progress – module retriever' is displayed	Do not Progress – module retriever	Pass
5	Pass = 60 Defer = 40 Fail = 20	'Do not Progress – module retriever' is displayed	Do not Progress – module retriever	Pass
6	Pass = 40 Defer = 40 Fail = 40	'Do not Progress – module retriever' is displayed	Do not Progress – module retriever	Pass
7	Pass = 20 Defer = 40 Fail = 60	'Do not Progress – module retriever' is displayed	Do not Progress – module retriever	Pass
8	Pass = 20 Defer = 20 Fail = 80	'Exclude' is displayed	Exclude	Pass
9	Pass = 20 Fail = 100	'Exclude' is displayed	Exclude	Pass
10	Fail = 120	'Exclude' is displayed	Exclude	Pass
Checking input data type, credit range and credit total:				
11	Pass = a	'Integers required' displayed	Integer required	Pass
12	Defer = b	'Integers required' displayed	Integer required	Pass
13	Fail = c	'Integers required' displayed	Integer required	Pass
14	Pass = 2	'Range error' is displayed	Range error	Pass

15	Defer = 5	'Range error' is displayed	Range error	Pass
16	Fail = 10	'Range error' is displayed	Range error	Pass
17	Pass = 100 Defer = 40	'Total incorrect' is displayed	Total incorrect	Pass
18	Pass = 60 Fail = 40	'Total incorrect' is displayed	Total incorrect	Pass

APPENDIX 2– TEST PLAN for Part 2 - Assignment (Progress Outcomes):

Student Name: Mudith Perera Student ID: 2019845				
Test No.	Test Input	Expected Result	Actual Result (State if not attempted)	Pass/Fail
1	Pass = 120	'Progress' is displayed and rerun the program from the beginning.	Progress	Pass
2	Pass = 100 Defer = 20 Fail = 0	'Progress – module trailer' is displayed and rerun the program from the beginning.	Progress – module trailer	Pass
3	Pass = 100 Defer = 0 Fail = 20	'Progress – module trailer' is displayed and rerun the program from the beginning.	Progress – module trailer	Pass
4	Pass = 80 Defer = 20 Fail = 20	'Do not Progress – module retriever' is displayed and rerun the program from the beginning.	Do not Progress – module retriever	Pass
5	Pass = 60 Defer = 40 Fail = 20	'Do not Progress – module retriever' is displayed and rerun the program from the beginning.	Do not Progress – module retriever	Pass

6	Pass = 40 Defer = 40 Fail = 40	'Do not Progress – module retriever' is displayed and rerun the program from the beginning.	Do not Progress – module retriever	Pass
7	Pass = 20 Defer = 40 Fail = 60	'Do not Progress – module retriever' is displayed and rerun the program from the beginning.	Do not Progress – module retriever	Pass
8	Pass = 20 Defer = 20 Fail = 80	'Exclude' is displayed and rerun the program from the beginning.	Exclude	Pass
9	Pass = 20 Defer = 0 Fail = 100	'Exclude' is displayed and rerun the program from the beginning.	Exclude	Pass
10	Pass = 0 Defer = 0 Fail = 120	'Exclude' is displayed and rerun the program from the beginning.	Exclude	Pass
11	Pass = q	Program will stop asking for credits and display category totals and overall total.		Pass
Checking input data type, credit range and credit total:				
12	Pass = a	'Integer required' displayed and restart the program.	Integer required	Pass
13	Defer = b	'Integer required' displayed and restart the program.	Integer required	Pass
14	Fail = c	'Integer required' displayed and restart the program.	Integer required	Pass
15	Pass = 2	'Range error' is displayed and restart the program.	Range error	Pass
16	Pass = 0 Defer = 5	'Range error' is displayed and restart the program.	Range error	Pass
17	Pass = 0 Defer = 0 Fail = 10	'Range error' is displayed and restart the program.	Range error	Pass
18	Pass = 100 Defer = 40	'Total incorrect' is displayed and restart the program.	Total incorrect	Pass

	Fail = 0			
19	Pass = 60 Defer = 0 Fail= 40	'Total incorrect' is displayed and restart the program.	Total incorrect	Pass