

Part 1 - Student Version

1. The program should allow students to predict their progression outcome at the end of each academic year.
 2. The program should prompt for the number of credits at pass, defer and fail and then display the appropriate progression outcome for an individual student.
 3. The program should let the user know if a credit input is the wrong data type. I.e., 'Integers required' is displayed.
 4. The program should let the user know if credits are not in the range 0, 20, 40, 60, 80, 100 and 120. I.e., 'Range error' is displayed.
 5. The program should let the user know if the total of the pass, defer and fail credits is not 120. I.e., 'Total incorrect' is displayed.
- Use conditions and user-defined functions in your solution as appropriate.
 - Flow Diagram - Before you start to program your solution you should create your flow diagram that represents your algorithm in a structured manner. Submit flowchart for Part 1 for marking.
 - Test Plan - A Part 1 test plan is provided in the appendix. Submit the completed test plan (with your flow diagram and program code) and bring a printed copy of the test plan to the demo.

Table 1: Progression outcomes as defined by the University regulations.

	Volume of Credit at Each Level			Progression Outcome
	Pass (including condoned pass)	Defer	Fail	
1	120	0	0	Progress
2	100	20	0	Progress – module trailer
3	100	0	20	Progress – module trailer
4	80	40	0	Do not Progress – module retriever
5	80	20	20	Do not Progress – module retriever
6	80	0	40	Do not Progress – module retriever
7	60	60	0	Do not progress – module retriever
8	60	40	20	Do not progress – module retriever
9	60	20	40	Do not progress – module retriever
10	60	0	60	Do not progress – module retriever
11	40	80	0	Do not progress – module retriever
12	40	60	20	Do not progress – module retriever
13	40	40	40	Do not progress – module retriever
14	40	20	60	Do not progress – module retriever
15	40	0	80	Exclude

