

Computer Programming

C Programming Assignment #2 2001/2

Brief: Write a computer program with a bilingual option. The program converts marks to grades.

Program Function: The program will read in a series of exam results and output the grades which those marks represent. The program should use a simple **array** to store the data, as well as **while** loops and **if** statements where necessary.

Program Limitation: The user should be asked at the start which language they wish to use for the program. If they select French, then all input and output should be in French. If they choose English then all input and output should be in English.

Program Sample Run (English):

Program Starts.

Enter ten marks, please.

```
Mark ( 1): 23
Mark ( 2): 54
Mark ( 3): 83
Mark ( 4): 68
Mark ( 5): 12
Mark ( 6): 97
Mark ( 7): 150
Mark ( 8): -23
Mark ( 9): 62
Mark (10): 57
```

Results:

```
Mark Grade
23  Fail
54  Pass
83  Distinction
68  Merit
12  Fail
97  Distinction
150 IMPOSSIBLE MARK
-23 IMPOSSIBLE MARK
62  Pass
57  Pass
```

Program Ends.

The marking scheme is the NCVA marking scheme:

<0 - Not possible

0-49 Fail

50-64 Pass

65-79 Merit

80-100 Distinction

>100 Not Possible

Test Data

Value Entered	Expected Result
-2	IMPOSSIBLE MARK
25	Fail
49	Fail
50	Pass
64	Pass
65	Merit
79	Merit
80	Distinction
100	Distinction
150	IMPOSSIBLE MARK

Due date: Wednesday 31, January 2001