Week 3

Lab Work 1

In this lab work, you are expected to create a simple program to determine letter grades for any given integer grade in between 0 and 100. For this reason, you should be creating a function for this purpose. This function should take a single argument, a grade on scale of 0 to 100. Function is expected to check following cases using if-else conditions,

1. Whether the given argument is in range of 0 and 100. If the grade is less than 0 or greater than 100, it should print the following::
   "Grade: -20 is not valid. The grade must be between 0 and 100!".

2. You are expected to classify given integer grades into letter grades with respect to the grade transformation table on the right. According to the classification, you should print the letter grade. For example, if the grade is 96, the function should print the following:
   "Grade: 96 Letter Grade: A".

A	4.00	95-100
A-	3.70	90-94
B+	3.30	85-89
B	3.00	80-84
B-	2.70	75-79
C+	2.30	70-74
C	2.00	65-69
C-	1.70	60-64
D+	1.30	55-59
D	1.00	50-54
F	0.00	49-0

An example output:

```
Grade -40 is not valid. The grade must be between 0 and 100!
Grade 156 is not valid. The grade must be between 0 and 100!
Grade: 96 Letter Grade: A
Grade: 92 Letter Grade: A-
Grade: 87 Letter Grade: B+
Grade: 82 Letter Grade: B
Grade: 77 Letter Grade: B-
Grade: 71 Letter Grade: C+
Grade: 65 Letter Grade: C
Grade: 63 Letter Grade: C-
Grade: 57 Letter Grade: D+
Grade: 52 Letter Grade: D
Grade: 43 Letter Grade: F
Grade: 20 Letter Grade: F
Grade: 5 Letter Grade: F
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