Program_03_2

Requirements

Even after changing the *numericalGrade* value, the results rarely seem to change. Figure out what is wrong here and fix the code so that it works as expected, printing the appropriate letter grade for a given numerical grade. Submit your sketch named **NumberToLetterGrade** to your GitHub repository to complete this exercise.

Program

In the code block below, create your program, editing the existing text as necessary.

Note: If you are using Octave then you will need to create a separate script file, save that separate file as the name **Program_03_02**. It will not conflict with this file of the same name since the extension will be different.

```
% Filename: Program_03_2
% Author:   Geoff Berl
% Assisted by: No one

% Program Description:
% The purpose of this program is to convert a number grade to a letter
% grade. It is designed to teach students the woes of using multiple ifs.

% Clear the command window and all variables
clc        % clc clears the contents of the command window
clear      % clear, clears all defined variables from the Matlab workspace

% Output of the title and author to the command window.
fprintf('Output for Program_03_2 written by Geoff Berl.\n\n')
```

```
Output for Program_03_2 written by Geoff Berl.
```

```

% Create some local variables
char letterGrade = "";  % Stores the resulting letter grade

% Get the numerical grade from the user
numericalGrade = input("Please enter a grade: ")
```

```
numericalGrade = 75
```

```

% Convert from a numerical grade to a letter grade
if numericalGrade >= 90
    letterGrade = 'A';
end
if (numericalGrade >= 80)
    letterGrade = 'B';
end
if (numericalGrade >= 70)
    letterGrade = 'C';
end
if (numericalGrade >= 60)
```

```
    letterGrade = 'D';
end
if (numericalGrade < 60)
    letterGrade = 'F';
end

% Print out our results
fprintf("The letter grade for a %d is %s\n", numericalGrade, letterGrade)
```

```
The letter grade for a 75 is D
```