AP Computer Science Summer Project: Basic I/O and If Statements

This project will encompass two important programming concepts: user input and conditional statements. For this project, you will need to create a class called **CalculateGrade**. You should create variables to hold three quiz scores, an average, and a character called grade.

**Not using loops,** prompt and read in three quiz grades from the user (you could call these variables quiz1, quiz2, quiz3). Once you have these three scores you will calculate the average of them.

Next, use a series of if...else if... else statements to calculate the letter grade; use the following scale:

\[
\begin{align*}
&\geq 90 = \text{`A'} \\
&\geq 80 < 90 = \text{`B'} \\
&\geq 70 < 80 = \text{`C'} \\
&\geq 60 < 70 = \text{`D'} \\
&< 60 = \text{`F'}
\end{align*}
\]

You will need to use the && or || operators… a decision you need to make on your own. Store the letter grade, based on their average, into a character variable. Perhaps call it grade.

Once you are finished, you need to print a summary of everything. For example:

Grade 1: 90  
Grade 2: 80  
Grade 3: 100

Average: 90  
Final Grade: A

Make sure to read the recaps and/or use the web for help on any concepts. As always, email me if you get stuck. Good luck!