CHAPTER 3 PROJECTS

1. Your professor has asked you to write a program that will allow a student to enter a test score and then display the grade for that score. Here is the algorithm that you will use:

* *Ask the user to enter a test score.*
* *Determine the grade in the following manner:*
* *If the score is less than 60, then the grade is F.*
  + *Otherwise, if the score is less than 70, then the grade is D.*
    - *Otherwise, if the score is less than 80, then the grade is C.*
      * *Otherwise, if the score is less than 90, then the grade is B.*
        + *Otherwise, the grade is A.*

You decide that the process of determining the grade will require several nested decision structures, as shown in [Figure 3-10](https://revel-ise.pearson.com/eps/sanvan/api/item/dc4e6dbb-48d7-4a9c-933b-960e9cf679f0/1/file/gaddis-jcsto-1e-revel_Revel_v3/OPS/xhtml/ch03_pg0009.xhtml#P70010158780000000000000000011A0). [Code Listing 3-4](https://revel-ise.pearson.com/eps/sanvan/api/item/dc4e6dbb-48d7-4a9c-933b-960e9cf679f0/1/file/gaddis-jcsto-1e-revel_Revel_v3/OPS/xhtml/ch03_pg0009.xhtml#P70010158780000000000000000011B5) shows the complete program. The code for the nested decision structures is in lines 23 through 51. [Figures 3-11](https://revel-ise.pearson.com/eps/sanvan/api/item/dc4e6dbb-48d7-4a9c-933b-960e9cf679f0/1/file/gaddis-jcsto-1e-revel_Revel_v3/OPS/xhtml/ch03_pg0009.xhtml#P70010158780000000000000000011A6) and [3-12](https://revel-ise.pearson.com/eps/sanvan/api/item/dc4e6dbb-48d7-4a9c-933b-960e9cf679f0/1/file/gaddis-jcsto-1e-revel_Revel_v3/OPS/xhtml/ch03_pg0009.xhtml#P70010158780000000000000000011AD) show what happens in two different sessions with the program.

ONLY USE SCANNER CLASS, NO DIALOGUE BOXES

DO FOR MONDAY