Exercises Control Structures

Exercise 1
Create two variables with two integer numbers. Print out which one is the highest and lowest value. *(eg. "Highest value is (…)"." Lowest value is (…)").*

Exercise 2
Create a variable with a value in-between number 1 till 4 (Reject any other value). Based on the value, print out "Spades", "Hearts", "Diamonds" and "Clubs".

Exercise 3
The American grading system works with the letter A, B, C, D and F **whereas C or higher means that you've passed the subject.** Create a variable that shows the amount of points a student scored, and based on that number, output the letter that a student got.
Also, show if the student passed the exam or not.
- A = 90-100 points;
- B = 80-89 points;
- C = 70-79 points;
- D = 60-69 points;
- F = Fewer than 60 points.

Exercise 4
A car manufacturer is replacing its machines. The machines will only be replaced if one or more of the following conditions is met:
- The machine has more than 10.000 working hours;
- The machine older than 7 years;
- The machine has more than 25 failures per year.

Exercise 5
Create a variable with a year. Create a program that shows if the year is a **leap year**. (A year is a leap year is you can divide is by 400 or by 4).

Exercise 6
Write a program that displays the multiplication table of a given integer. Create a variable of the beginning and ending of the loop.

Exercise 7
Write a program to get the Fibonacci series from 0 to 50.

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