Program #  : Program Purpose/Description

Purpose of this program:
- Create first ANSI C program
- Use multiple Data Types to declare variables, and assign values to them.
- Use functions, pass parameters. (MAKE SURE THE function NAMES DESCRIBE WHAT THEY DO example: addNumbers)
- Do calculations and print results, using printf and \n or \t
- Use remarks to document your program.
- Use for and while loops

How:
1 - Worth 3 points
- Create and call a function called numericalComputations(), without passing any parameters
- In the function, assign the value 100 to the int maximumNumber
- Print EACH result for EACH of the following computations:
  maximumNumber % 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 using printf and \n  maximumNumber - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 using printf and \t
  maximumNumber + 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 using printf and \n  maximumNumber * 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 using printf and \t
  maximumNumber / 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 using printf and \n
  This means: compute maximumNumber with 1, then maximumNumber with 2, maximumNumber with 3 ...

  This function will have a total of 50 print/println/printf statements

2 - Worth 2 points
- Create and call a function called sumOfNumbers(), without passing any parameters
- In the function, assign the value 100 to the int N.
- Using the sum of numbers formula: (1 + N)*(N/2)
  print the total amount of the sum of digits from 1 to 100

  To find the sum of all the numbers from 1 to 100 (1 + 2 + 3 + 4 + . . . + 100),
  the formula (1 + N)*(N/2) will do it.
  That is: (1 plus N quantity) times (N divided by 2).

3 - Worth 3 points
- Create variables in the main() function and assign the corresponding values for:
  - your name
  - your mayor
  - credits taken
  - credits this semester
  - this class's name
- Create and call a function called myInfo(..........), passing the above parameters
- In the function print:
  Hi my name is .., my major is .., I have completed .. credits, I and taking .. credits, and this
  class's name is ..

4 - Worth 2 points
  - Do the same problem as problem 1 using a for loop and
  - Do the same problem as problem 1 using a while loop
  - Find the sum of all numbers from 1 to 100 using a for loop