```
COP 2270 - C FOR ENGINEERS (FLAME)
Program 1c
Professor: Michael Robinson
e-mail : michael.robinson@fiu.edu
Web Page: www.cs.fiu.edu/~mrobi002/teaching
- Program must be named: yourLastNameFirstLetterOfYourFirstNamepgm1.java
- Turn in the signed source code on paper, and email me the source code.
- Make sure the program is properly documented and aligned uniformally, looking professionally,
 I will take points off if it not.
- Include the following header in every program:
****************************
Author
         : Your Name
Course
          : COP 2270 T-FR 12:50 PM
Professor : Michael Robinson
Program # : Program Purpose/Description
            {A brief description of the program }
Due Date
          : MM/DD/YYYY
Certification:
I hereby certify that this work is my own and none of it is the work of any other person.
 ..... { your signature }.....
 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 maximunNumber
  - Print EACH result for EACH of the following computations:
     maximunNumber % 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 using printf and \n
     maximunNumber - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 using printf and \t
     maximunNumber + 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 using printf and n
     maximunNumber * 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 using printf and \t
     maximunNumber / 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 using printf and n
     This means: compute maximunNumber with 1, then maximunNumber with 2, maximunNumber 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
```

- Create and call a function called myInfo(.....), passing the above parameters

your mayorcredits taken

credits this semesterthis class's name

- 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 \hdots

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