Assignment 1

1. Learn how to save a file as one word with .c extension and not .cpp (what is the difference?). File name should be relevant and without any spaces in between.
2. Cleanup the desktop by putting all the files in a folder with a relevant name. Do this exercise as the first thing you start on any computer.
3. Write the template of a C program, which ensures that the program runs and the compiler works fine.
4. Ask your instructor when *Google* and *ChatGpt* is good, when to use them and when to avoid them. In a nutshell what are pros and cons of the search engines in learning a basic language course?
5. Write a program (WAP) to display "Hello World" on console display. What are the other names of the console screen?
6. WAP to input an integer and display it.
7. WAP to input a decimal number and display it.
8. WAP to input a character and display it.
9. WAP to display a fraction (rational number). (Ask the user to input numerator and denominator integers, then display it in the form of p/q without any simplification)
10. WAP to add, subtract, multiply, divide numbers, modulus operator (%).
11. WAP to find the Nth root of a number.
12. WAP for the area of a circle.
13. *WAP for simple interest.
14. WAP for compound interest
15. *WAP to calculate gross salary of a person, where **gross_salary=basic+da+ta** and da is 10% of basic and ta is 12% of basic.

==*Practice flowchart/algo/pseudocode for these programs==

16. What is the meaning of each component of the following flow chart and what is it doing?

numbers = [1, 2, 3, 4, 5]

"num" becomes the
first number in numbers

Start

Assign the next number as "num"

Is
"num" the
last number?

No

print(num)

Yes

End