Vocabulary:

Program: a set of instructions that a computer can run

Iteration: a sequence of instructions that is continually repeated.

Input: data that is entered into or received by a computer.

Output: how the computer presents the results of the process.

Variable: a value that can change, depending on conditions or on information passed to the program.

Compiler: A software that translates source code into machine code.

Syntax error: an error in the syntax of a coding or programming language, entered by a programmer.

Logic error: there is a fault in the logic or structure of the problem

Literal:  the word used to describe the value that appears in the source code as opposed to a variable. A value that is written directly into the code. ex: int > integer, bool > Boolean, double > decimal number, char > character, string > string of letters

Loop: a sequence of instructions that is continually repeated until a certain condition is reached. ex: for or while

Comment: a programmer-readable explanation or annotation in the source code of a computer program like C++ // or /\* \*/.

whitespace: any string of text composed only of spaces, tabs or line breaks (to be precise, CRLF sequences, carriage returns or line feeds). Any character that represents a space in the code.

* Syntax:
* cout: A C++ statement used to output text to the console.
* cin: A C++ statement used to read input from the console.
* endl: move the cursor to the beginning of the next line.
* bool: A data type in C++ that holds true or false values.
* int: A data type in C++ that holds integer values.
* main(): The starting point of a C++ program.
* string: a variable that stores a sequence of letters
* double: a data type that can represent any numerical value in the compiler, including decimal values
* %(modulus): produces the remainder of an integer division.
* static\_cast< >:  convert numeric data types such as enums to ints or ints to floats,

Be able to identify basic errors:

* infinite loop
* missing semicolon
* uninitialized variables

Be able to write basic programming concepts:

* loops ex: while and for
* nested loops
* If/else/else if
* Logical/boolean expressions Logical %% and || or !not