C Programming Basics – Preparation

1. Data Types
   a. Basic
   b. Arrays
   c. Structures
   d. Pointers
2. Type conversion
3. Operators
   a. Arithmetic (+, -, *, /, %)
   b. Relational (>, >=, <, <=, ==, !=) and logical (&&, ||, !)
   c. Increment (++) and decrement (--)
   d. Bitwise (&, |, ^, <<, >>, ~)
   e. Assignment
4. Expression
   a. in assignment
   b. Conditional (?:)
5. Precedence and order of evaluation
6. Control Flow
   a. If-else
   b. Else-if
   c. Switch
   d. Loops (while, for)
   e. Break and continue
   f. Goto and labels
7. Functions
   a. With and without arguments
   b. With and without return type
   c. With and without recursion