

BASIC PROGRAMMING LANGUAGE

LEARNING OUTCOMES

G1	Understand concept of computer program and algorithm
G2	Understand variables, data types and operators
G3	Understand condition statements
G4	Understand loop statements
G5	Understand array, string and pointer
G6	Understand using functions
G7	Understand using structs
G8	Understand working with file

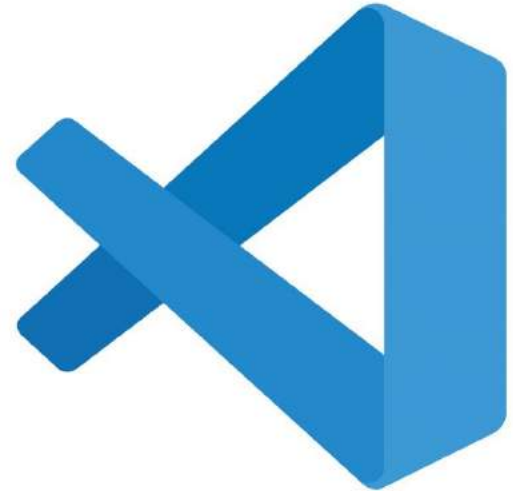
- Lesson 1: C Programming Language and Problem Solving
- Lesson 2: Variables, Data Types and Console Input/Output
- Lesson 3: Expressions, Operators and Type Casting
- Lesson 4: Decision Making Statements
- Lesson 5: Loop Statements
- Lesson 6: Functions
- Lesson 7: Arrays
- Lesson 8: Strings

- Lesson 9: Sorting and Searching Algorithms
- Lesson 10: Pointers
- Lesson 11+12: User Defined Data Types
- Lesson 13: File Handling
- Lesson 14: Assignment Presentation

Visual Studio Code: Visual Studio Code is a lightweight but powerful source code editor which runs on your desktop and is available for Windows, macOS and Linux. It support many language, such as C/C++, C#, Java, Python, PHP, Go,...

Link download: <https://code.visualstudio.com>

Install GCC tool: Read Lab00



C Programming Book and Tutorials:

[1] C Programming Language, 2nd Edition - Brian W. Kernighan, Dennis M. Ritchie: <https://www.amazon.com/Programming-Language-2nd-Brian-Kernighan/dp/0131103628>

[2] Online C Programming Course: <https://www.cprogramming.com>

ASSESSMENT STRUCTURE

Test	Weight	Type of Assessment	Number of Exercises	Scope of Knowledge and Skill
Exercise	30%	Practice	All	Lesson 1-13
Final Assignment	70%	Assignment	1 Assignment	Lesson 1-13

*Thank
you!*