A Review of C Programming and Design

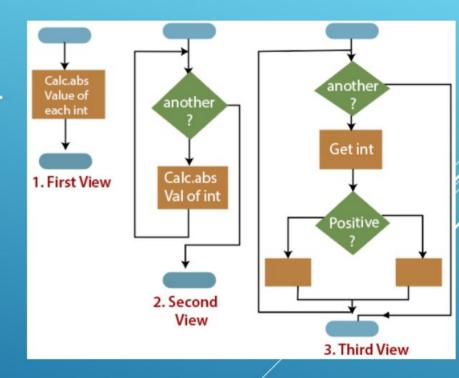
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Teaching-Learning Material

- Moodle of Chung Hua University
- GitHub of Teaching-Learning Material
- C Examples of Programiz

STRUCTURED PROGRAMMING

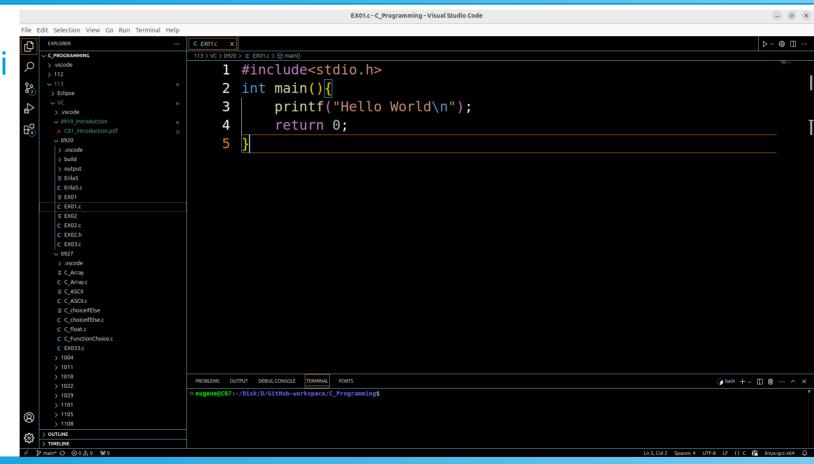
A programming paradigm aims at improving the clarity, quality, and development time of a computer program. It emphasizes the use of fundamental structures such as selection (if/then/else), Iteration (while and for), Sequence, and subroutines. This approach helps in organizing code in a way that is easier to understand, maintain, and debug



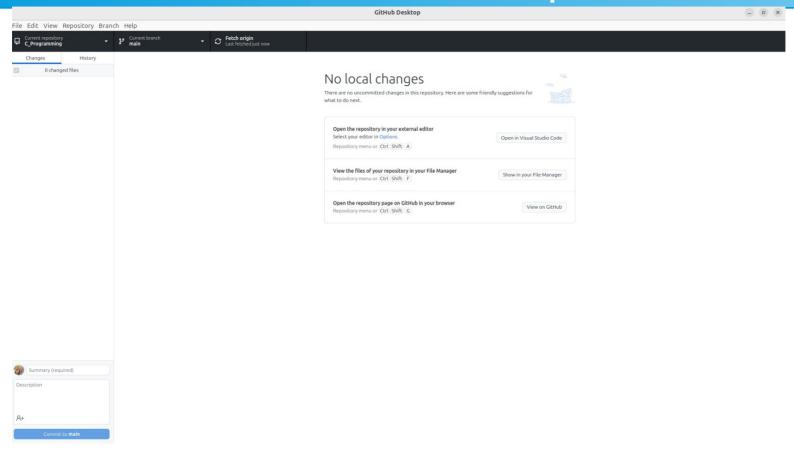
https://www.youtube.com/watch? v=TmtyFcLWXwo&t=12s&ab_channel=EzEdC hannel

Visual Code

- Programmi ng Tool of Microsoft
- Link from GitHub Desktop



GitHub Desktop



Block Structured Programming

- Block Example 1
- Block Example 2
- Block Example 3

Selection Structured Programming

GitHub Example

Logical Programming

- Example 1
- Example 2
- Example 3

Loop Programming

- Example 1
- Example 2
- Example 3

C Project

- GNU Makefile: A script used by the GNU Make utility to automate the process of building and managing software projects. It defines a set of rules and dependencies that specify how to compile source code, link object files, and generate executable files or libraries.
- GNU make tool: An utility automatically building C projects such as helping developers compile and build software projects efficiently.
- Example