



Problem Solving through Programming in C

COE 251

WEEK 2: The C Programming Language



The "C" Programming Language



The "C" Language

Quiz 1

State 5 differences between an interpreter and a compiler.



The "C" Language

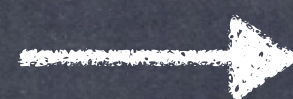
Algorithm



HLL

Language /
Vocabulary

C



Words
valid in
"C"



Compiler

Machine
Language



The "C" Language

"C" Statement

1. Valid words in C?
2. What are the correct grammatical structures in C?

- Variables; Keywords
- Data Types
- Arithmetic Operations, etc.



The "C" Language

Reading Assignment

Types, Operators and Expressions

(Chapter 2 of "The C Programming Language" by Brian K. & Dennis R.)



The "C" Language

Variables

Syntax:

[dataType] [variableName] = [value]

NB:

- * Use the correct syntax when naming variables.
- * Do not use keywords as variable names.



The "C" Language

Standard Input/Output

- * Displaying information on screen → printf.
- * Let's take a look at scanf → Taking input from the user.



The "C" Language

Reading Assignment

How to create constant variables using `const` and `#define` in the C Language.



Next...

Functions