

Introduction to Computer

Lecture # 19

Common data types

Topics

- What are the types of data types?

Common data types include:

- (1) Integer.
- (2) Floating-point number.
- (3) Character.
- (4) String.
- (5) Boolean

Data Types Purpose

Data Types in C++ with Purpose

- **char:** For characters. Size 1 byte.
- **int:** For integers. Size 2 bytes.
- **float:** For single precision floating point.
 - Size 4 bytes.
- **double:** For double precision floating point.
 - Size 8 bytes.
- **bool:** For booleans, true or false.
- **wchar_t:** Wide **Character**.

Integer Overflow

- ◉ **Integer Overflow**

Integer **Overflow** occurs when the value assigned to an integer variable is more than maximum possible value .

- ◉ **Integer Underflow**

Integer Underflow occurs when the value assigned to an integer variable is less than minimum possible value .

C++ Keywords

o C++ Keywords

Keywords are those words whose meaning is already defined by Compiler.

These **keywords** cannot be used as an identifier. Note that **keywords** are the collection of reserved words and predefined identifiers. ... Every **Keyword** exists in lower case latter like auto, break, case, const, continue, int ect.

Thank you