Lecture 2: Variables and Data Types

Curtin FIRST Robotics Club (FRC) Pre-season Training

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Curtin University

Insert Mandatory Programming Joke









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Data Types

Identifiers

A C++ identifier is a name used to identify a variable, function, class, module, or any other user-defined item.

An identifier starts with a letter A to Z or a to z or an underscore (_) followed by zero or more letters, underscores, and digits (0 to 9).

C++ does not allow punctuation characters such as , \$, and % within identifiers. C++ is a case-sensitive programming language. Thus, Manpower and manpower are two different identifiers in C++.

Reserved Words

Data Types

1

Choosing Data Types

1

Variables

Variables

Naming Conventions

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Assignment of Statements

1

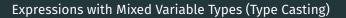
Arithmetic Operators

Arithmetic Expressions (Operators)

Precedence and Nesting Parentheses

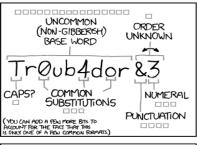
Misc

Initialization of Variables

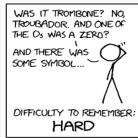


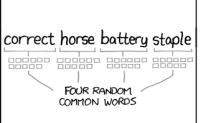


Check this out







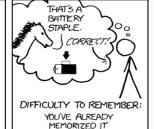


~ 44 BITS OF ENTROPY

FASY

DIFFICULTY TO GUESS:

1000 GUESSES/SEC



THROUGH 20 YEARS OF EFFORT, WE'VE SUCCESSFULLY TRAINED EVERYONE TO USE PASSWORDS THAT ARE HARD FOR HUMANS TO REMEMBER, BUT EASY FOR COMPUTERS TO GUESS.

References I