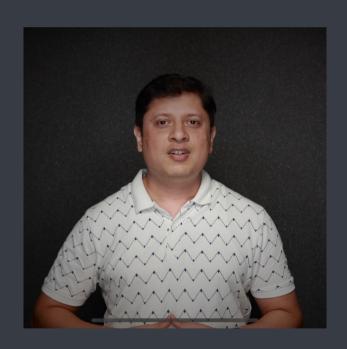
C, C++ and DSA in depth

Data Types and Variable Declarations



Saurabh Shukla (MySirG)

Agenda

- 1) Why classification of data?
- 2) Dota Types
- 3 variable declarations
- 4 ASCII
- (5) floot vs double

Data Classification

· Different dota requires different way of handling data in computer.

Factor responsible for dota classification

- Memory size required to store dota
- Method to convert dota into binary for internal representation.
- Kind at operations performed on data,

Data Types

char int floot double void

Variable Declaration 1 byte = 8 bits ubyted int a=5, b; 4 bytes 4 bytes

byte char m='A';

Real Subyter float K=2.5;
3/54ter double d1;

8 by tes

4+4+1+4+8=21

ASCII

character encoding

char m='A'; 0 100000 char m = 65; int a=65;

int a= 'A';

American Standard Code For Information Interchange

0.7

$$0.7 + 2 = 1.4$$
 $0.4 \times 2 = 0.8$
 $0.8 \times 2 = 1.6$
 $0.6 \times 2 = 1.2$

$$0.6 \times 2 = 0.4$$

 $0.2 \times 2 = 0.8$
 $0.4 \times 2 = 0.8$