C Language

Pointers



Saurabh Shukla (MySirG)

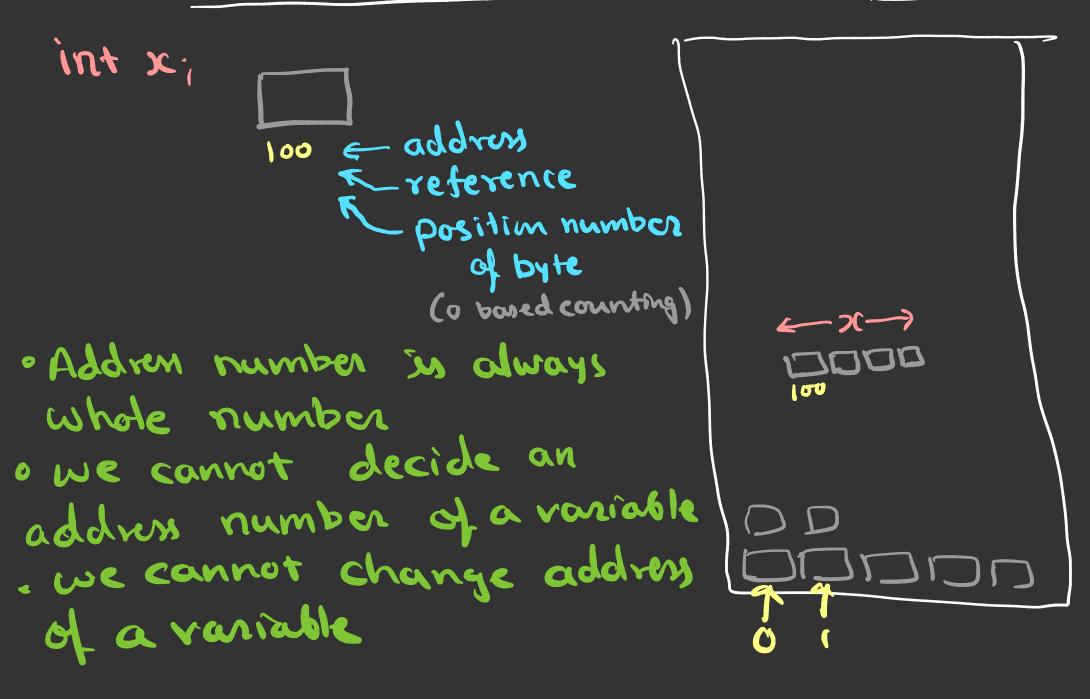
Agenda

Introduction to memory address

Referencing and Dereferencing Operators

What is pointer?

Introduction to Memory Address



Referencing and Develorencing operators

int x = 5; $5 \leftarrow 100$ colue in x is 100 Printf("1.d", x); $5 = 100 \leftarrow 20$ address of x is 100 Printf("1.d", 8x); $100 \leftarrow 30$ reference of x is 100 Printf("1.d", 8x); 5 = 30

8 x 8 x x x

- · 'address of operator
- referencing operator
- 2 Unary Operator 2 & variable

- · Indirection Operator
- 'De referencing'operator
- · Unary operator

· address

int
$$x=5$$
;
$$8-x=7$$
;
$$1000$$

int x=5; x 8-x=7; 1000Why error?

&x is not a variable, it is just a way to represent address of variable x. Address number is a constant value.

we cannot have constant in the left hand Side of assignment (=) operator. int x = 5;

int $\frac{1}{5}$ 1000

2000

j in a pointer variable