

C++ in depth

Structure in C++



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Agenda

- ① Recall Structure in C language
- ② Use structure of C in C++ program
- ③ New rules in C++ Structure.

Structure in C

- ① structure can be a collection of dissimilar elements.
- ② structure is a way to group variables.
- ③ Defining structure is creating custom data type

Primitive and Non-Primitive Data Types

int
char
float
double

Book
Student
Customer
Employee

Custom Data Type
Secondary Data Type
User defined Data Type

Defining Structure (Creating Data Type)

struct Book

{

int bookId;

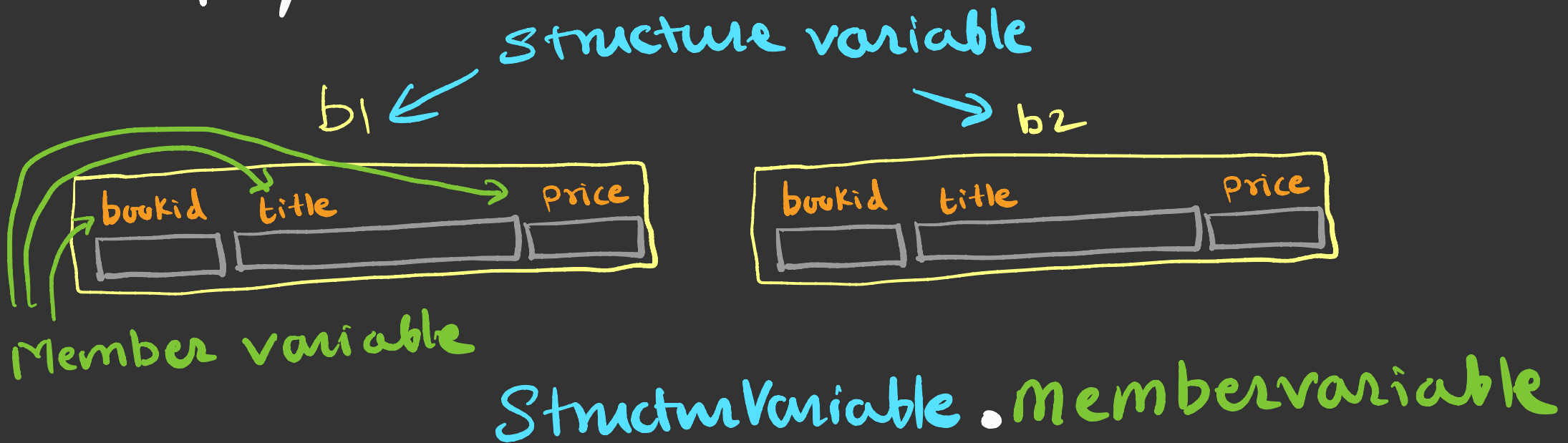
char title[20];

float price;

};

- Global vs local definition

Write a C++ program to define a structure to handle book record (bookid, title, price). also define function inputBook and displayBook to take input book data from user and display book data on the screen.



What is new in C++ Structure?

- ① use of struct keyword is optional on every use of non primitive type
- ② structure can have functions too as members
- ③ use of access specifiers for the members of structure.