

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;

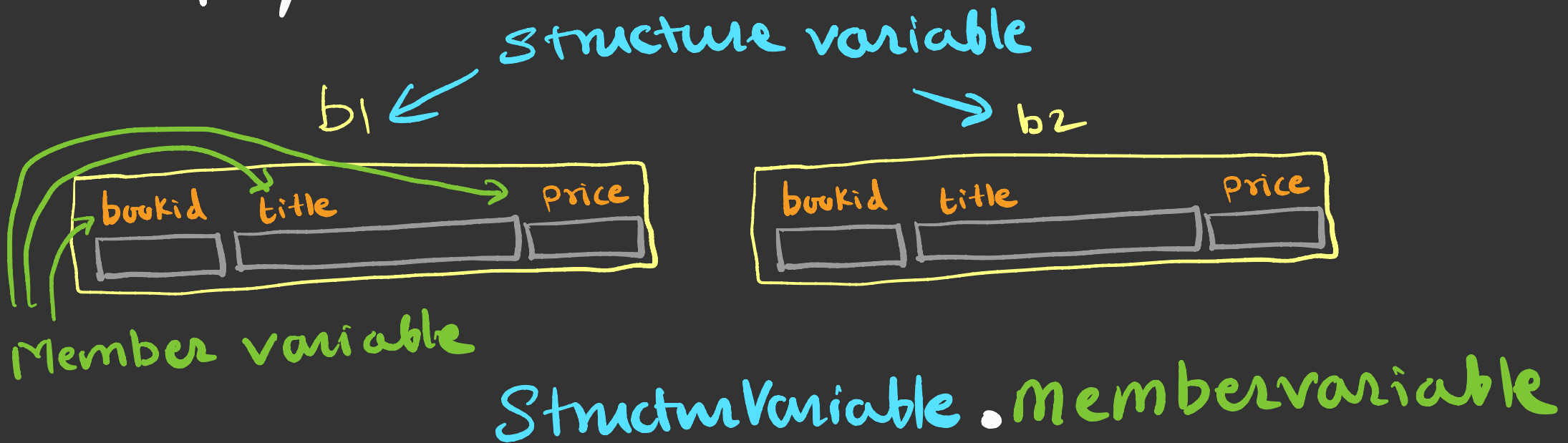
char title[20];

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.