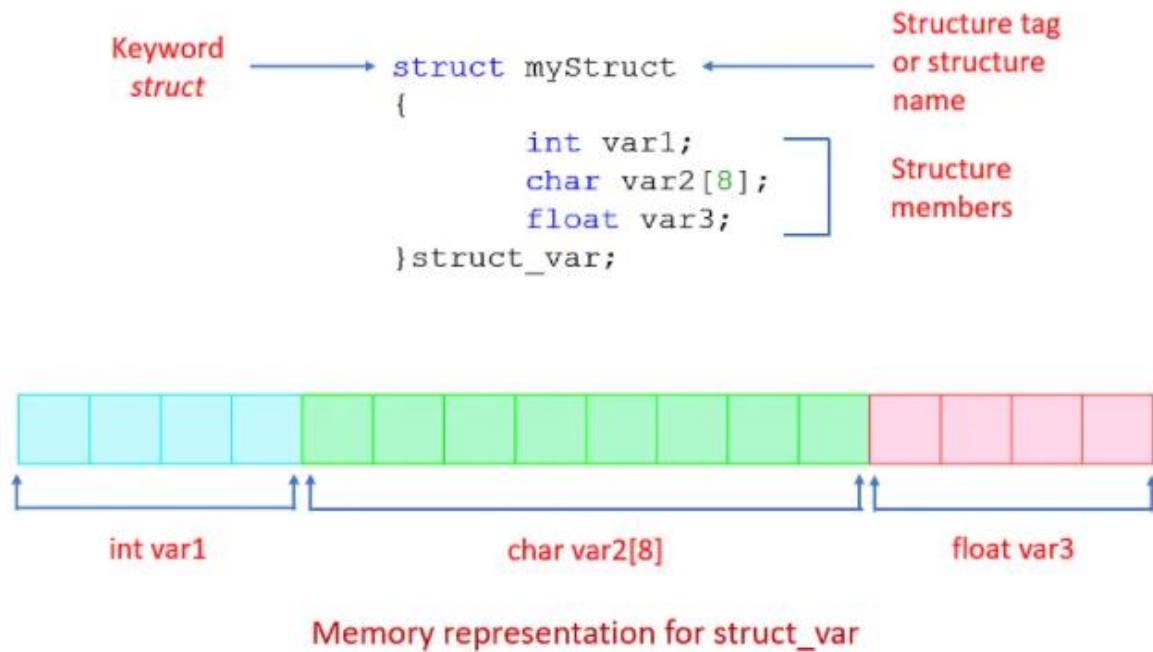


Structures in C Programming:- 10-03-2022 Theory Session:-



```
struct Student { // structure name- Student
    int Sl_No;    // members of the structure Student
    char Name [50];
    char Gender[1];
    float percentage;
    char Branch[75];

    // } student1, student2; // structure variables (or)
};

// struct Student Stud1, Stud2 ;

struct Student stud[100];
```

```
int main()
```

```
{
```

```
    Struct Student stud1, stud2;
```

Structure with in Structure

Sl_No	Name	Gender	DOB			Percentage	Branch
			DD	MM	YY		
1	Madiajagan M	M				89	SCOPE
2		F					SENSE

Sample Structure C program:-

```
#include <stdio.h>

#include <string.h>

struct Books {

    char title[50];

    char author[50];

    char subject[100];

    int book_id;

};

int main( ) {

    struct Books Book1;    /* Declare Book1 of type Book */

    struct Books Book2;    /* Declare Book2 of type Book */

    /* book 1 specification */

    strcpy( Book1.title, "C Programming");

    strcpy( Book1.author, "Nuha Ali");

    strcpy( Book1.subject, "C Programming Tutorial");

    Book1.book_id = 6495407;

    /* book 2 specification */

    strcpy( Book2.title, "Telecom Billing");

    strcpy( Book2.author, "Zara Ali");

    strcpy( Book2.subject, "Telecom Billing Tutorial");

    Book2.book_id = 6495700;

    /* print Book1 info */

    printf( "Book 1 title : %s", Book1.title);

    printf( "Book 1 author : %s", Book1.author);

    printf( "Book 1 subject : %s", Book1.subject);

    printf( "Book 1 book_id : %d", Book1.book_id);

    /* print Book2 info */

    printf( "Book 2 title : %s\n", Book2.title);

    printf( "Book 2 author : %s\n", Book2.author);

    printf( "Book 2 subject : %s\n", Book2.subject);

    printf( "Book 2 book_id : %d\n", Book2.book_id);

    return 0;

}
```