

Example 1:

```
#include <stdio.h>

struct StudentData{
    char *stu_name;
    int stu_id;
    int stu_age;
};

int main()
{
    /* student is the variable of structure StudentData*/
    struct StudentData student;

    /*Assigning the values of each struct member here*/
    student.stu_name = "Steve";
    student.stu_id = 1234;
    student.stu_age = 30;

    /* Displaying the values of struct members */
    printf("Student Name is: %s", student.stu_name);
    printf("\nStudent Id is: %d", student.stu_id);
    printf("\nStudent Age is: %d", student.stu_age);
    return 0;
}
```

Example 2:

```
#include <stdio.h>

//#include <string.h>


struct Books {
    char *title;
    char *author;
    char *subject;
    int book_id;
};


int main( ) {

    //struct Books Book1;    /* Declare Book1 of type Book */
    //struct Books Book2;    /* Declare Book2 of type Book */


    struct Books Book1,Book2;


    /* book 1 specification */
    Book1.title = "C Programming";
    Book1.author = "Nuha Ali";
    Book1.subject = "C Programming Tutorial";
    Book1.book_id = 6495407;


    /* book 2 specification */
    Book2.title = "Telecom Billing";
    Book2.author = "Zara Ali";
    Book2.subject ="Telecom Billing Tutorial";
```

```
Book2.book_id = 6495700;
```

```
/* print Book1 info */
```

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

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

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

```
printf( "Book 1 book_id : %d\n", 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;
```

```
}
```

Example 3:

```
#include<stdio.h>
```

```
#include<string.h>
```

```
struct Studentprofile
```

```
{
```

```
    char name[12];
```

```
    char ID[32];
```

```
    int quiz1;
```

```
    int quiz2;
```

```
    int quiz3;
```

```
} student[50];
```

```
int main()
```

```
{
```

```
    int a,n;
```

```
    printf("\n Number of the student: ");
```

```
    scanf("%d", &n);
```

```
    //struct Studentprofile student[n];
```

```
    // input in structure
```

```
    for(a=0; a<n; a++)
```

```
    {
```

```
        printf("\n Student Number: %d",a);
```

```
        printf("\n Enter name of the student: " );
```

```
        scanf("%s",&student[a].name);
```

```

printf("\n Enter ID of the student:");
scanf("%s",&student[a].ID);

printf("\n Enter quiz number of the student:");
scanf("%d",&student[a].quiz1);

printf("\n Enter quiz number of the student:");
scanf("%d",&student[a].quiz2);

printf("\n Enter quiz number of the student:");
scanf("%d",&student[a].quiz3);
}

// output

printf("\n\n All Student Informations");
for(a=0; a<n; a++)
{
    printf("\n Student Number: %d",a);
    printf("\n Name: %s ", student[a].name);
    printf("\n ID: %s ", student[a].ID);
    printf("\n Quiz 1 marks: %d ", student[a].quiz1);
    printf("\n Quiz 2 marks: %d ", student[a].quiz2);
    printf("\n Quiz 3 marks: %d ", student[a].quiz3);
}
return 0;
}

```