

Data Structures using C

18th Feb 2022

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E&TC - B3

Aim: - Create a structure in array with Name, Roll No, and DOB.

Objective: - To create a structure in array with Name, Roll No, and DOB.

Code: -

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Camlin Page
Date / /

Arrays

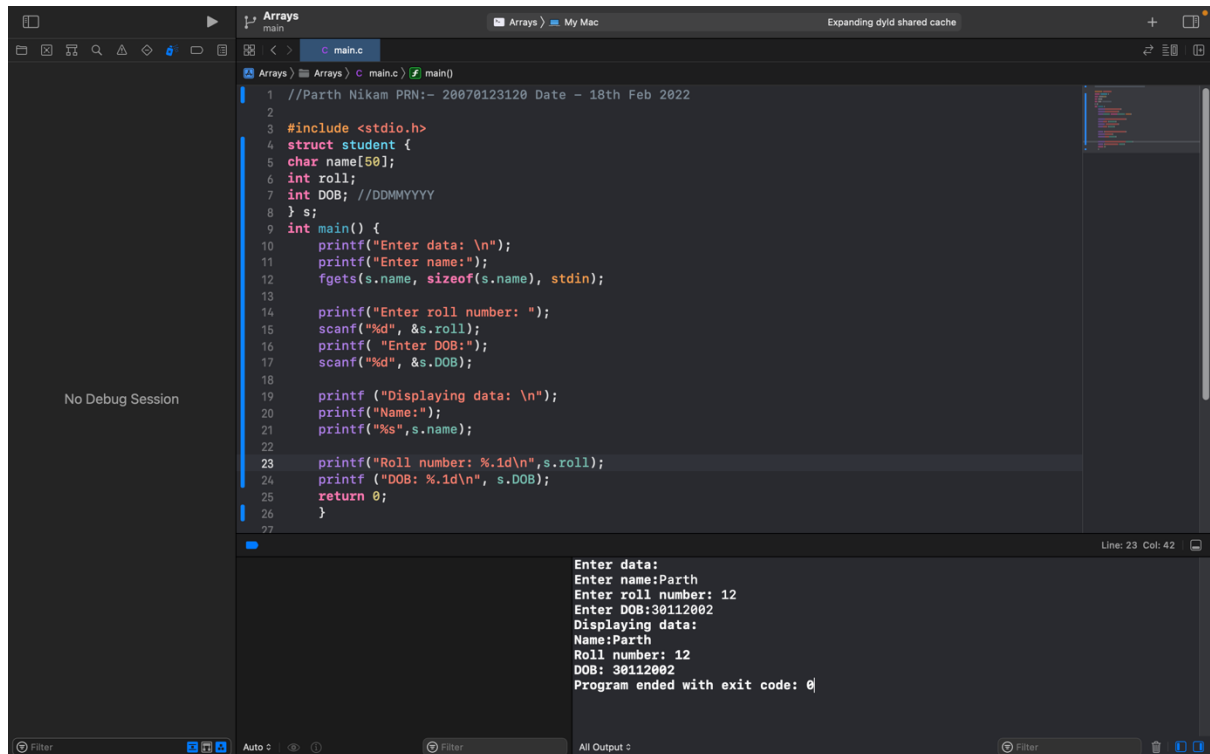
```
# Code:-  
  
// Parth Nikam PRN:-20070123120 E&TC-B3 Date:-18th Feb 22  
  
#include <stdio.h>  
struct student {  
    char name [50];  
    int roll;  
    int DOB; // DDMMYY  
} s;  
  
int main() {  
    printf("Enter data: \n");  
    printf("Enter name: \n");  
    fgets(s.name, sizeof(s.name), stdin);  
  
    printf("Enter roll number: ");  
    scanf("%d", &s.roll);  
    printf("Enter DOB");  
    scanf("%d", &s.DOB);  
  
    printf("Displaying data: \n");  
    printf("Name");  
    printf("%s", s.name);  
  
    printf("Roll number: %d\n", s.roll);  
    printf("DOB: %d\n", s.DOB);  
    return 0;  
}
```

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Screenshot: -



The screenshot shows a C program in Xcode. The code defines a `student` struct with `name`, `roll`, and `DOB` fields. The `main` function prompts the user to enter data, reads the input, and prints the stored values. The output window shows the program's execution with the entered name 'Parth', roll number '12', and DOB '30112002'.

```
1 //Parth Nikam PRN:- 20070123120 Date - 18th Feb 2022
2
3 #include <stdio.h>
4 struct student {
5     char name[50];
6     int roll;
7     int DOB; //DDMMYYYY
8 } s;
9 int main() {
10     printf("Enter data: \n");
11     printf("Enter name:");
12     fgets(s.name, sizeof(s.name), stdin);
13
14     printf("Enter roll number: ");
15     scanf("%d", &s.roll);
16     printf("Enter DOB:");
17     scanf("%d", &s.DOB);
18
19     printf("Displaying data: \n");
20     printf("Name:");
21     printf("%s", s.name);
22
23     printf("Roll number: %d\n", s.roll);
24     printf("DOB: %d\n", s.DOB);
25     return 0;
26 }
```

Enter data:
Enter name:Parth
Enter roll number: 12
Enter DOB:30112002
Displaying data:
Name:Parth
Roll number: 12
DOB: 30112002
Program ended with exit code: 0

Result: - Name, Roll No, and DOB are printed successfully.