

/* Write a program in C to accept the information of single student and store it in structure and display the same

Name-Parimal Kiran Muley

Roll no-588 (E3)*/

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

```
struct student { //declaring structure
```

```
    char firstName[50];
```

```
    int roll;
```

```
    float marks;
```

```
} s[10];
```

```
int main() { //main function
```

```
    int i;
```

```
    printf("Enter information of students:\n");
```

```
    // storing information
```

```
    for (i = 0; i < 5; ++i) {
```

```
        s[i].roll = i + 1;
```

```
        printf("\nFor roll number%d,\n", s[i].roll);
```

```
        printf("Enter first name: ");
```

```
        scanf("%s", s[i].firstName); //storing name
```

```
        printf("Enter marks: ");
```

```
        scanf("%f", &s[i].marks); //storing marks
```

```
    }
```

```
    printf("Displaying Information:\n\n");
```

```
    // displaying information
```

```
    for (i = 0; i < 5; ++i) { //using for loop
```

```
        printf("\nRoll number: %d\n", i + 1);
```

```
        printf("First name: ");  
        puts(s[i].firstName);  
        printf("Marks: %.1f", s[i].marks);  
        printf("\n");  
    }  
    return 0;  
}  
/* Output -Enter information of students:
```

For roll number1,

Enter first name: Parimal

Enter marks: 100

For roll number2,

Enter first name: Digvijay

Enter marks: 100

For roll number3,

Enter first name: Sanika

Enter marks: 100

For roll number4,

Enter first name: bahubali

Enter marks: 100

For roll number5,

Enter first name: kylie

Enter marks: 36

Displaying Information:

Roll number: 1

First name: Parimal

Marks: 100.0

Roll number: 2

First name: Digvijay

Marks: 100.0

Roll number: 3

First name: Sanika

Marks: 100.0

Roll number: 4

First name: bahubali

Marks: 100.0

Roll number: 5

First name: kylie

Marks: 36.0

Process exited after 85.39 seconds with return value 0

Press any key to continue . . .

*/

Part 2

/* Write a program in C to accept the information of students and store it in array of structure and

display the same

Name- Parimal Muley

Roll No-588(E3)*/

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

```
struct student { //structure declaration
```

```
    char name[20];
```

```
    int rollno;
```

```
    float marks;
```

```
};
```

```
int main( ) //main function
```

```
{
```

```
    int i,n;
```

```
    printf("Enter how many records u want to store :: "); //asking inputs to the user
```

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

```
    struct student stuarr[n];
```

```
    printf("Enter name, roll no. and marks Below :: \n");
```

```

for(i=0; i<n; i++)//using for loop
{
    printf("\nEnter %d record :: \n",i+1);

    printf("Enter Name :: ");
    scanf("%s",stuarr[i].name);//storing name
    printf("Enter RollNo. :: ");
    scanf("%d",&stuarr[i].rollno);//storing roll no
    printf("Enter Marks :: ");
    scanf("%f",&stuarr[i].marks);//storing marks

}

printf("\n\tName\tRollNo\tMarks\t\n");

for(i=0; i<n; i++)

    printf("\t%s\t%d\t%.2f\t\n", stuarr[i].name, stuarr[i].rollno,
stuarr[i].marks);//printing outputs

return 0;

}

/*

```

output-Enter how many records u want to store :: 4

Enter name, roll no. and marks Below ::

Enter 1 record ::

Enter Name :: doremon

Enter RollNo. :: 1

Enter Marks :: 95

Enter 2 record ::

Enter Name :: nobita

Enter RollNo. :: 2

Enter Marks :: 34

Enter 3 record ::

Enter Name :: jiyan

Enter RollNo. :: 3

Enter Marks :: 35

Enter 4 record ::

Enter Name :: shizuka

Enter RollNo. :: 4

Enter Marks :: 67

Name	RollNo	Marks
------	--------	-------

doremon	1	95.00
---------	---	-------

nobita	2	34.00
--------	---	-------

jiyan	3	35.00
-------	---	-------

shizuka	4	67.00
---------	---	-------

Process exited after 154.4 seconds with return value 0

Press any key to continue . . .*/