

[A] Program for create student record

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

struct student
{
    struct
    {
        char fname[20];
        char mname[10];
        char lname[10];
    }name;
    int roll_no;
    int marks_obtained;
}arr[10];

int main()
{
    int n;

    printf("\nEnter no. of students : ");
    scanf("%d",&n);
    printf("-----\n");
    printf("for NIL value enter 'N'\n");
    printf("-----\n");
    for(int i=0;i<n;i++)
    {
        printf("Enter first name : ");
        scanf("%s",arr[i].name.fname);

        printf("Enter middle name : ");
        scanf("%s",arr[i].name.mname);

        printf("Enter last name : ");
        scanf("%s",arr[i].name.lname);

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

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scanf("%d",&arr[i].roll_no );

printf("Marks obtained : ");
scanf("%d",&arr[i].marks_obtained);
printf("-----\n");
}

printf("\n----- Entered records are ----- \n\n");
for(int i=0;i<n;i++)
{

    //----- last name operation -----
    if(strcmp("N",arr[i].name.lname) == 0)
    {
        if(strcmp("N",arr[i].name.mname) == 0)
        {
            printf("\nName : %s ",arr[i].name.fname);
        }
        else
        {
            printf("\nName : %s %s",arr[i].name.fname,arr[i].name.mname);
        }
    }
    //-----middle name operation -----
    else if(strcmp("N",arr[i].name.mname) == 0)
    {
        if(strcmp("N",arr[i].name.lname) == 0)
        {
            printf("\nName : %s ",arr[i].name.fname);
        }
        else
        {
            printf("\nName : %s %s",arr[i].name.fname,arr[i].name.lname);
        }
    }
    //-----not null operation -----
    else
    {

```

```

        printf("\nName : %s %s
%s",arr[i].name.fname,arr[i].name.mname,arr[i].name.lname);
    }
    printf("\nRoll : %d",arr[i].roll_no);
    printf("\nMarks : %d",arr[i].marks_obtained);
    printf("\n_____ \n");
}
return 0;
}

```

/* ----- [OUTput]-----

```

jeet@jeet-HP-Notebook:~/Desktop/C_Program$ gcc 2.c
jeet@jeet-HP-Notebook:~/Desktop/C_Program$ ./a.out

```

Enter no. of students : 4

for NIL value enter 'N'

Enter first name : aaaa
Enter middle name : N
Enter last name : dddd
Enter roll : 1
Marks obtained : 100

Enter first name : bbbb
Enter middle name : kkkk
Enter last name : N
Enter roll : 2
Marks obtained : 200

Enter first name : cccc
Enter middle name : N
Enter last name : N
Enter roll : 3
Marks obtained : 300

Enter first name : eeee
Enter middle name : kkkk

Enter last name : dddd

Enter roll : 4

Marks obtained : 400

----- Entered records are -----

Name : aaaa dddd

Roll : 1

Marks : 100

Name : bbbb kkkk

Roll : 2

Marks : 200

Name : cccc

Roll : 3

Marks : 300

Name : eeee kkkk dddd

Roll : 4

Marks : 400

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