Code, Compile & Run

Ide   ✕   +

C (Gcc 6.3)   ▼   ℹ ⬇ ⤢ ⚙

```c
1  |
2
3  #include <stdio.h>
4    struct student
5  { char name[50];
6  int age;
7  };
8  // function prototype
9  void display(struct student s);
10   int main()
11 ▾ {
12   struct student s1;
13   printf("Enter name: ");
14   // read string input from the user until \n is entered
15   // \n is discarded
16   scanf("%[^\n]%*c", s1.name);
17   printf("Enter age: ");
18   scanf("%d", &s1.age);
19   display(s1);
20   // passing struct as an argument return 0;
21   }
22   void display(struct student s)
23 ▾ {
24    printf("\nDisplaying information\n");
25   printf("Name: %s", s.name);
26   printf("\nAge: %d", s.age);
27   }
28
```

0:0   ↻

Open File   ✓ Custom Input   **Run**

Custom Input

```
pink
18
```

Status Successfully executed   **Date** 2020-07-14 07:10:10   **Time** 0 sec   **Mem** 9.424 kB   ✕

Input
```
pink
18
```

Output
```
Enter name: Enter age:
Displaying information
Name: pink
Age: 18
```

Priyanka

4AL19CS070

Algorithm :

step1 : start

step 2 : input n

Step 3 : Enter the array elements

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

input $(a+i)$

Step 4 : Display array elements

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

output $*(a+i)$

step 5 : stop

Flowchart :

```
                    ( start )
                        |
                        v
            / Input n /
                        |
                        v
        / Enter the array elements /
                        |
                        v
        < for( i=0; i<n; i++ ) >
                        |
                        v  F
            / Input (a+i) /
                        |
                        v
        / Display array elements /
                        |
                        v                    T
        < for(i=0; i<n; i++) >
                        |  F
                        v
        / output x (a x i) /            ( STOP )
```