CODECHEF
An unacademy Educational Initiative

Home » IDE

Code, Compile & Run

| Ide | ✕ | + |

Contest Code/Name (e.g. JULY15/PRACTICE)   Problem Code/Name (e.g. TEST)   **Select**

C (gcc 6.3) ▾   💾   🗑   Code gets autosaved every second   ⓘ ⬇ ⤢ ⚙

```
1
2   #include <stdio.h>
3 ▾  struct student {
4   char firstName[50];
5   int roll;
6   float marks;
7   }
8   s[10];
9   int main()
10 ▾ {
11   int i;
12   printf("Enter information of students:\n");
13   // storing information
14   for (i = 0; i < 5; ++i)
15 ▾ {
16   s[i].roll = i + 1;
17   printf("\nFor roll number%d,\n", s[i].roll);
18   printf("Enter first name: ");
19   scanf("%s", s[i].firstName);
20   printf("Enter marks: ");
21   scanf("%f", &s[i].marks);
22   }
23   printf("Displaying Information:\n\n");
24   // displaying information
25   for (i = 0; i < 5; ++i)
26 ▾  {
27    printf("\nRoll number: %d\n", i + 1);
28    printf("First name: ");
```

0:0   ⟳

Open File   ✓ Custom Input   **Run**

Custom Input

```
priyanka
99
pink
98
pinky
97
ninku
```

Status Successfully executed   **Date** 2020-07-06 10:53:02   **Time** 0 sec   **Mem** 9.424 kB   ✕

Input

```
priyanka
99
pink
98
pinky
97
ninku
```

Output

```
Roll number: 1
First name: priyanka
Marks: 99.0

Roll number: 2
First name: pink
```

Algorithm : (of student details)

Step 1 : Start
Step 2 : Declare a character
Step 3 : get the name of student
Step 4 : Print the name of the student
Step 5 : Get the marks of the student
Step 6 : print the marks of the student
Step 7 : Get the name & marks of the student
Step 8 : Print the name and marks of the student
Step 9 : stop.

Algorithm : (of ~~student~~ Employee details)

Step 1 : Start
Step 2 : Get the name & salary of the employee
Step 3 : print the name & salary of the employee
Step 4 : get the employee name
Step 5 : print the employee name
Step 6 : get the employee salary
Step 7 : print the employee salary
Step 8 : Stop.

Flowchart:

```
          ( start )
              |
              v
  +---------------------------+
  | create structure student  |
  +---------------------------+
              |
              v
  +---------------------------+
  | create structure member   |
  +---------------------------+
              |
              v
  +---------------------------+
  | create structure variables|
  +---------------------------+
              |
              v
  +---------------------------+
  | enter name, standard, batch,|
  |        student id          |
  +---------------------------+
              |
              v
  +---------------------------+
  | read name, standard, batch |
  |        student id          |
  +---------------------------+
              |
              v
  +---------------------------+
  | Print student detail       |
  +---------------------------+
              |
              v
          ( stop )
```

```
        +-----------------------------------------------+
        |                                               |
   +->( start )<-------------------------------+        |
   |        |                                  |        |
   |        v                                  |        |
   |    / RFID  \                              |        |
 F |   <Detected >                             |        |
   |    \       /                              |        |
   +-----       \                              |        |
              |  T                             |        |
              v                                |        |
        / Registered \        F        +---------------+
       <  Employee    >-------------->| Input Employee |
        \            /                 +---------------+
              |
              | T
              v
  +---------------------------+
  | Record the time &         |
  | display the information   |
  +---------------------------+
```