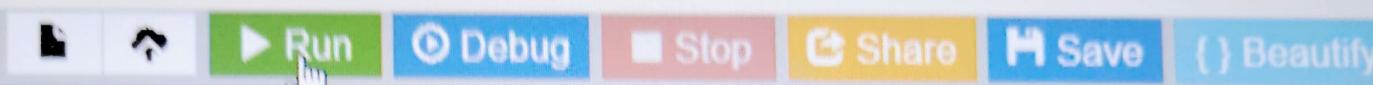


```
1 #include <stdio.h>
2 struct student{
3     char name[20];
4     int age;
5     int totalMarks;
6 };
7 int main(){
8     struct student students[2];
9     printf("this is calculate average marks of two students\n");
10    printf("====student details====\n");
11    for (int i=0;i<2;i++){
12        printf("enter student %d details\n",i+1);
13        printf("Enter your name:");
14        scanf("%s",students[i].name);
15        printf("Enter your age:");
16        scanf("%d",&students[i].age);
17        printf("Enter your total marks:");
18        scanf("%d",&students[i].totalMarks);
19    }
20    int i1=students[0].totalMarks;
21    int i2=students[1].totalMarks;
22    int sum=i1+i2;
23    float average=sum/2;
24    printf("the average of two friends total marks is:%f",average);
25
26    return 0;
27 }
```



main.c

```
1 #include <stdio.h>
2 struct student{
3     char name[20];
4     int age;
5     int totalMarks;
```



this is calculate average marks of two students

====student details=====

enter student 1 details

Enter your name:jowshnavi

Enter your age:18

Enter your total marks:20

enter student 2 details

Enter your name:bhanu

Enter your age:16

Enter your total marks:40

the average of two friends total marks is:30.00000

...Program finished with exit code 0

Press ENTER to exit console.

```
1 #include <stdio.h>
2 struct car{
3     char id[20];
4     char model[20];
5     int rentalRatePerDay;
6 };
7 int main(){
8     int days;
9     struct car cars[3];
10    printf("this is calculate total rental rate of a car per day\n");
11    printf("====car details====\n");
12    for (int i=0;i<3;i++){
13        printf("enter car %d details\n",i+1);
14        printf("Enter ID of the car:");
15        scanf("%s",cars[i].id);
16        printf("Enter car model:");
17        scanf("%s",cars[i].model);
18        printf("Enter Rental rate of a car:");
19        scanf("%d",&cars[i].rentalRatePerDay);
20    }
21    int r1=cars[0].rentalRatePerDay;
22    int r2=cars[1].rentalRatePerDay;
23    int r3=cars[2].rentalRatePerDay;
24
25    printf("enter the number of days:");
26    scanf("%d",&days);
27
28    int totalRentalRate=(r1+r2+r3)*days;
29    printf("the total rental rate of three cars is %d:",totalRentalRate);
30
31
32    return 0;
33 }
```



input



Search



```
1 #include <stdio.h>
2 struct car{
3     char id[20];
4     char model[20];
5     int rentalRatePerDay;
```

this is calculate total rental rate of a car per day
====car details=====

enter car 1 details

Enter ID of the car:E90

Enter car model:BMW

Enter Rental rate of a car:5000

enter car 2 details

Enter ID of the car:G30

Enter car model:Toyota

Enter Rental rate of a car:2000

enter car 3 details

Enter ID of the car:F50

Enter car model:Honda

Enter Rental rate of a car:1000

enter the number of days:2

the total rental rate of three cars is 16000:

...Program finished with exit code 0

Press ENTER to exit console.

main.c

```
1 #include<stdio.h>
2 struct complex{
3     float real;
4     float imaginary;
5 };
6 void main(){
7     printf("this is to calculate the complex numbers\n");
8     struct complex c1,c2;
9     printf("enter real part of c1:");
10    scanf("%f",&c1.real);
11    printf("enter img part of c1:");
12    scanf("%f",&c1.imaginary);
13    printf("enter real part of c2:");
14    scanf("%f",&c2.real);
15    printf("enter real part of c2:");
16    scanf("%f",&c2.imaginary);
17
18    printf("=====adding=====\\n");
19    printf("%f %fi\\n",c1.real+c2.real,c1.imaginary+c2.imaginary);
20    printf("=====multiplying=====\\n");
21    printf("%f %fi",c1.real*c2.real,c1.imaginary*c2.imaginary);
22
23 }
24
25
26
27
28
29
```

```
1
2 #include<stdio.h>
3 struct complex{
4     float real;
5     float imaginary;
```

this is to calculate the complex numbers

enter real part of c1:4

enter img part of c1:5

enter real part of c2:6

enter real part of c2:7

=====adding=====

10.000000 12.000000i

=====multiplying=====

24.000000 35.000000i

...Program finished with exit code 0

Press ENTER to exit console.

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 typedef struct {
4     int id;
5     char name[50];
6     float salary;
7 } Employee;
8 int main() {
9     int n, i;
10    Employee *employees;
11    printf("Enter the number of employees: ");
12    scanf("%d", &n);
13    employees = (Employee *)malloc(n * sizeof(Employee));
14    if (employees == NULL) {
15        printf("Memory allocation failed.\n");
16        return 1;
17    }
18    for (i = 0; i < n; i++) {
19        printf("\nEnter details of employee %d:\n", i + 1);
20        printf("ID: ");
21        scanf("%d", &employees[i].id);
22        printf("Name: ");
23        scanf(" %[^\n]", employees[i].name);
24        printf("Salary: ");
25        scanf("%f", &employees[i].salary);
26    }
27    printf("\nEmployee Details:\n");
28    for (i = 0; i < n; i++) {
29        printf("\nEmployee %d:\n", i + 1);
30        printf("ID: %d\n", employees[i].id);
31        printf("Name: %s\n", employees[i].name);
32        printf("Salary: %.2f\n", employees[i].salary);
33    }
34    free(employees);
```





Enter the number of employees: 2

Enter details of employee 1:

ID: AP800

Name: Salary: 40000

Enter details of employee 2:

ID: AP900

Name: Salary: 50000

Employee Details:

Employee 1:

ID: 0

Name: AP800

Salary: 40000.00

Employee 2:

ID: 0

Name: AP900

Salary: 50000.00

...Program finished with exit code 0
Press ENTER to exit console.