

C:\Users\akhiil\OneDrive\Desktop\c\EMPLOY id name etc.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug

EMPLOY id name etc.cpp

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  struct Employee {
4      int id;
5      char name[50];
6      char designation[50];
7      char department[50];
8      float salary;
9  };
10
11 int main() {
12     struct Employee emp;
13
14     printf("Enter Employee ID: ");
15     scanf("%d", &emp.id);
16     printf("Enter Employee Name: ");
17     scanf("%s", emp.name);
18     printf("Enter Employee Designation: ");
19     scanf("%s", emp.designation);
20     printf("Enter Employee Department: ");
21     scanf("%s", emp.department);
22     printf("Enter Employee Salary: ");
23     scanf("%f", &emp.salary);
24
25     printf("\nEmployee ID: %d", emp.id);
26     printf("\nEmployee Name: %s", emp.name);
27     printf("\nEmployee Designation: %s", emp.designation);
28     printf("\nEmployee Department: %s", emp.department);
29     printf("\nEmployee Salary: %.2f", emp.salary);
30
31     return 0;
32 }
```

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```
Enter Employee ID: 123
Enter Employee Name: akhil
Enter Employee Designation: chennai
Enter Employee Department: manager
Enter Employee Salary: 1000000
```

```
Employee ID: 123
Employee Name: akhil
Employee Designation: chennai
Employee Department: manager
Employee Salary: 1000000.00
```

```
-----
Process exited after 39.88 seconds with return value 0
Press any key to continue . . .
```

Line: 9 Col: 3 Sel: 0 Lines: 32 Length: 855 Insert Done parsing in 0.078 seconds



Search



ENG  
IN

05:02 PM  
07-04-2023

C:\Users\akhi\OneDrive\Desktop\c\total runs by team.cpp - [Executing] - Dev-C++ 5.11

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Toolbox: (globals)

Compiler: TDM-GCC 4.9.2 64-bit Release

Project: Classes Debug

EMPLOY id name etc.cpp total runs by team.cpp

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 struct Player {
4     char name[50];
5     int runs;
6 };
7
8 int main() {
9     int n, i, total_runs = 0;
10
11     printf("Enter the number of players in the team: ");
12     scanf("%d", &n);
13
14     struct Player team[n];
15
16     for (i = 0; i < n; i++) {
17         printf("Enter the name of player %d: ", i+1);
18         scanf("%s", team[i].name);
19         printf("Enter the runs scored by player %d: ", i+1);
20         scanf("%d", &team[i].runs);
21
22         total_runs += team[i].runs;
23     }
24     printf("\nTotal runs scored by the team: %d\n", total_runs);
25
26     return 0;
27 }
```

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```
Enter the number of players in the team: 2
Enter the name of player 1: akhil
Enter the runs scored by player 1: 99
Enter the name of player 2: ram
Enter the runs scored by player 2: 100

Total runs scored by the team: 199

-----
Process exited after 31.2 seconds with return value 0
Press any key to continue . . .
```

Line: 21 Col: 1 Sel: 0 Lines: 27 Length: 615 Insert Done parsing in 0.015 seconds

Windows Taskbar: Search, File Explorer, WhatsApp, Edge, Dev-C++, System Tray (ENG IN, 05:12 PM, 07-04-2023)

C:\Users\akhiil\OneDrive\Desktop\c\low balance in bank.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

IDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug EMPLOY id name etc.cpp total runs by team.cpp low balance in bank.cpp

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 struct Customer {
4     int account_no;
5     char name[50];
6     float balance;
7 };
8 void print_low_balance_customers(struct Customer bank[], int n) {
9     printf("\nCustomers with balance less than 100 Rs:\n");
10    for (int i = 0; i < n; i++) {
11        if (bank[i].balance < 100.0) {
12            printf("%d\t%s\n", bank[i].account_no, bank[i].name);
13        }
14    }
15 }
16
17 int main() {
18     int n = 3;
19     struct Customer bank[n];
20     for (int i = 0; i < n; i++) {
21         printf("Enter details for customer %d:\n", i+1);
22         printf("Account Number: ");
23         scanf("%d", &bank[i].account_no);
24         printf("Name: ");
25         scanf("%s", bank[i].name);
26         printf("Balance: ");
27         scanf("%f", &bank[i].balance);
28     }
29
30     print_low_balance_customers(bank, n);
31
32     return 0;
33 }
```

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Enter details for customer 1:  
Account Number: 122  
Name: akhi  
Balance: 1233  
Enter details for customer 2:  
Account Number: 4321  
Name: ram  
Balance: 123  
Enter details for customer 3:  
Account Number: 5432  
Name: gtfr  
Balance: 56

Customers with balance less than 100 Rs:  
5432 gtfr

-----  
Process exited after 39.47 seconds with return value 0  
Press any key to continue . . . |

Line: 29 Col: 1 Sel: 0 Lines: 33 Length: 856 Insert Done parsing in 0.016 seconds

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C:\Users\akhi\OneDrive\Desktop\c\emp with salary.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

IDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug EMPLOY id name etc.cpp total runs by team.cpp [\*] low balance in bank.cpp emp with salary.cpp

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 struct Employee {
4     int eno;
5     char ename[50];
6     float salary;
7 };
8 int main() {
9     int n, i, max_index = 0;
10    float max_salary = 0.0;
11
12    printf("Enter the number of employees: ");
13    scanf("%d", &n);
14    struct Employee employees[n];
15
16    for (i = 0; i < n; i++) {
17        printf("Enter details for employee %d:\n", i+1);
18        printf("Employee Number: ");
19        scanf("%d", &employees[i].eno);
20        printf("Name: ");
21        scanf("%s", employees[i].ename);
22        printf("Salary: ");
23        scanf("%f", &employees[i].salary);
24        if (employees[i].salary > max_salary) {
25            max_salary = employees[i].salary;
26            max_index = i;
27        }
28    }
29    printf("\nDetails of employee with highest salary:\n");
30    printf("Employee Number: %d\n", employees[max_index].eno);
31    printf("Name: %s\n", employees[max_index].ename);
32    printf("Salary: %.2f\n", employees[max_index].salary);
33
34    return 0;
35 }
```

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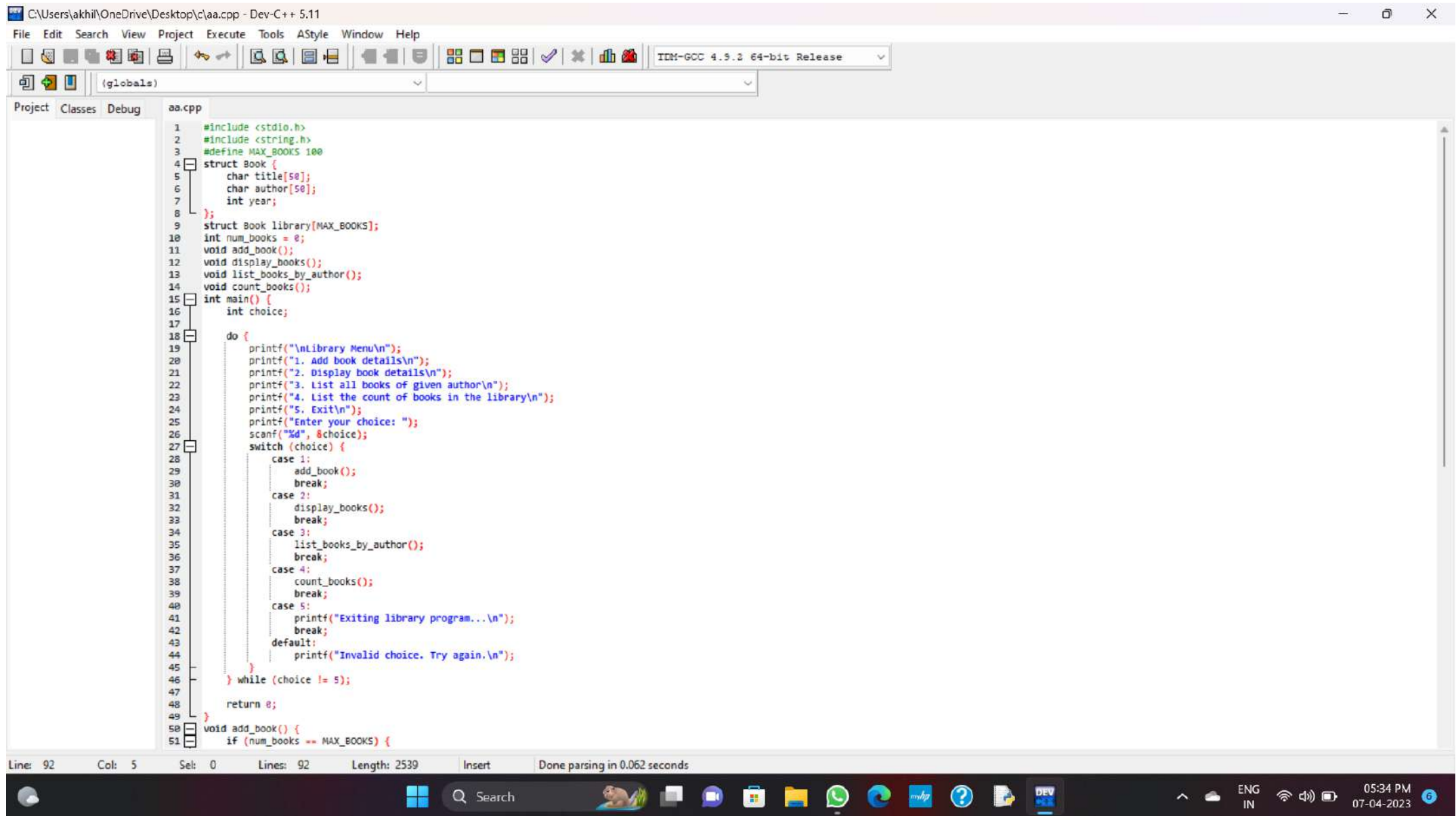
Enter the number of employees: 2  
Enter details for employee 1:  
Employee Number: 32  
Name: ds  
Salary: 1234  
Enter details for employee 2:  
Employee Number: 432  
Name: fd  
Salary: 1266

Details of employee with highest salary:  
Employee Number: 432  
Name: fd  
Salary: 1266.00

-----  
Process exited after 21.78 seconds with return value 0  
Press any key to continue . . .

Line: 7 Col: 3 Sel: 0 Lines: 35 Length: 1012 Insert Done parsing in 0.016 seconds

05:23 PM 07-04-2023





C:\Users\akhiil\OneDrive\Desktop\c\7.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

IDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug aa.cpp 7.cpp

```
2 struct student
3 {
4     int rno;
5     char name[20];
6     int marks[3];
7     int total;
8     float avg;
9 }stud[2];
10 int main()
11 {
12     int i,j;
13     struct student s;
14     for(i=0;i<2;i++)
15     {
16         printf("Enter Record for Student-%d \n",i+1);
17         printf("-----\n");
18         printf("Enter Roll-No. : ");
19         scanf("%d",&stud[i].rno);
20         printf("Enter Name : ");
21         scanf("%s",stud[i].name);
22         stud[i].total=0;
23         for(j=0;j<3;j++)
24         {
25             printf("Enter Marks of Subject %d : ",j+1);
26             scanf("%d",&stud[i].marks[j]);
27             stud[i].total=stud[i].total+stud[i].marks[j];
28             stud[i].avg=stud[i].total/3.0;
29         }
30         printf("\n-----\n");
31     }
32     for(i=0;i<2;i++)
33     {
34         for(j=i+1;j<2;j++)
35         {
36             if(stud[i].total<stud[j].total)
37             {
38                 s=stud[i];
39                 stud[i]=stud[j];
40                 stud[j]=s;
41             }
42         }
43     }
44     printf("Records in Descending Order.\n (According to Total-Marks)");
45     printf("\n---\n");
46     printf("\n ROLLNO    NAME    TOTAL-MARKS    AVG\n");
47     for(i=0;i<2;i++)
48     {
49         printf("\n %d\t %s\t %d\t %.2F",stud[i].rno,stud[i].name,stud[i].total,stud[i].avg);
50     }
51     return 0;
52 }
```

Enter Record for Student-1

-----

Enter Roll-No. : 12

Enter Name : ak

Enter Marks of Subject 1 : 69

Enter Marks of Subject 2 : 75

Enter Marks of Subject 3 : 88

-----

Enter Record for Student-2

-----

Enter Roll-No. : 2

Enter Name : as

Enter Marks of Subject 1 : 88

Enter Marks of Subject 2 : 99

Enter Marks of Subject 3 : 58

-----

Records in Descending Order.  
(According to Total-Marks)

---

ROLLNO	NAME	TOTAL-MARKS	AVG
2	as	245	81.67
12	ak	232	77.33

-----

Process exited after 43.73 seconds with return value 0

Press any key to continue . . .

Line: 1 Col: 2 Sel: 0 Lines: 52 Length: 1430 Insert Done parsing in 0.015 seconds

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C:\Users\akhiil\OneDrive\Desktop\c\8.cpp - [Executing] - Dev-C++ 5.11

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IDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug aa.cpp 7.cpp 8.cpp

```
1 #include <stdio.h>
2
3 union my_union {
4     int i;
5     float f;
6 };
7
8 int main() {
9     union my_union data;
10    printf("Enter a value (integer or float): ");
11    if (scanf("%d", &data.i) == 1) {
12        printf("You entered an integer: %d\n", data.i);
13    } else if (scanf("%f", &data.f) == 1) {
14        printf("You entered a float: %f\n", data.f);
15    } else {
16        printf("Error: Invalid input\n");
17    }
18
19    return 0;
20 }
21
22
```

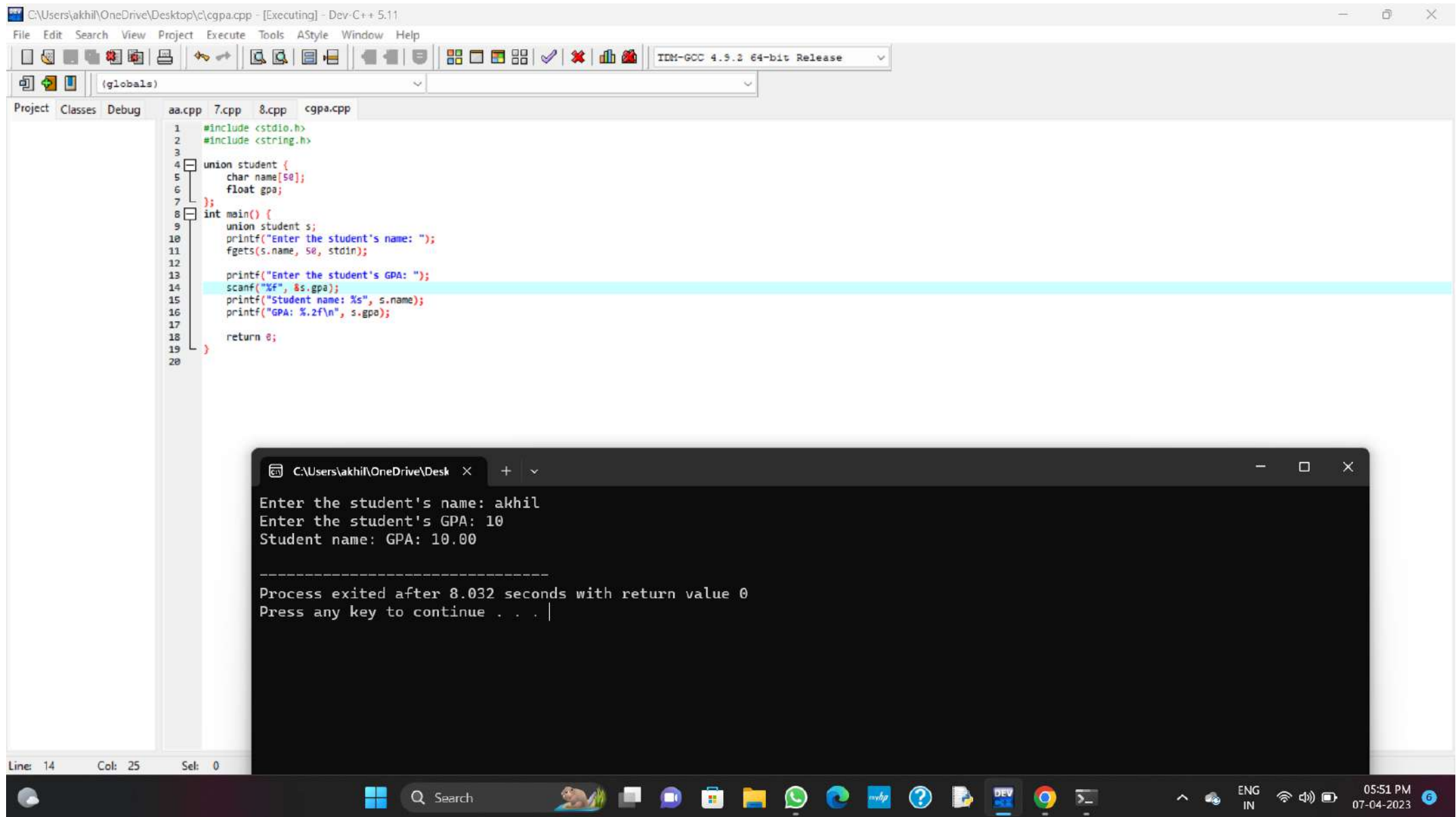
Line: 17 Col: 1 Sel: 0 Lines: 22

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Enter a value (integer or float): 55  
You entered an integer: 55

-----  
Process exited after 4.055 seconds with return value 0  
Press any key to continue . . .

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C:\Users\akhiil\OneDrive\Desktop\c\10.cpp - [Executing] - Dev-C++ 5.11

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IDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug aa.cpp 7.cpp 8.cpp cgpa.cpp 10.cpp

```
1 #include <stdio.h>
2
3 union shape {
4     float radius;
5     struct {
6         float length;
7         float width;
8     } rectangle;
9 };
10
11 int main() {
12     union shape s;
13     char shape_type;
14     printf("Enter the type of shape you want to calculate (c for circle, r for rectangle): ");
15     scanf("%c", &shape_type);
16     if (shape_type == 'c') {
17         printf("Enter the radius of the circle: ");
18         scanf("%f", &s.radius);
19         float area = 3.14 * s.radius * s.radius;
20         printf("The area of the circle is: %.2f\n", area);
21     } else if (shape_type == 'r') {
22         printf("Enter the length of the rectangle: ");
23         scanf("%f", &s.rectangle.length);
24
25         printf("Enter the width of the rectangle: ");
26         scanf("%f", &s.rectangle.width);
27
28         float area = s.rectangle.length * s.rectangle.width;
29         printf("The area of the rectangle is: %.2f\n", area);
30     } else {
31         printf("Error: Invalid shape type\n");
32     }
33
34     return 0;
35 }
36
```

Line: 30 Col: 13 Sel: 0 Lines: 36 Length: 1001 Insert Done p

C:\Users\akhiil\OneDrive\Desktop\c\10.cpp

Enter the type of shape you want to calculate (c for circle, r for rectangle): c  
Enter the radius of the circle: 32  
The area of the circle is: 3215.36

-----  
Process exited after 14.29 seconds with return value 0  
Press any key to continue . . .

05:57 PM 07-04-2023