

main.c [assi2] - Code::Blocks 20.03

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<global> main(): int

Managemen x main.c x

```
7 struct {
8     float length;
9     float width;
10 } rectangle;
11 };
12
13 int main() {
14     union Shape shape;
15     int choice;
16     printf("Enter 1 for circle or 2 for rectangle: ");
17     scanf("%d", &choice);
18     if (choice == 1) {
19         printf("Enter the radius of the circle: ");
20         scanf("%f", &shape.radius);
21         printf("The area of the circle is: %.2f\n", PI * shape.radius * shape.radius);
22     } else if (choice == 2) {
23         printf("Enter the length of the rectangle: ");
24         scanf("%f", &shape.rectangle.length);
25         printf("Enter the width of the rectangle: ");
26         scanf("%f", &shape.rectangle.width);
27         printf("The area of the rectangle is: %.2f\n", shape.rectangle.length * shape.rectangle.width);
28     } else {
29         printf("Invalid choice.\n");
30     }
31     return 0;
32 }
33
```

Logs & others

Code::Blocks x Search results x Cccc x Build log x Build messages x CppCheck/Vera++ x CppCheck/Vera++ messages x Cscope x Debugger x DoxyBlocks x Fortran info x Closed files list

Checking for existence: C:\Users\kmoha\OneDrive\Documents\assi2\bin\Debug\assi2.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\bin\perl\bin;C:\Windows\System32;C:\Windows;C:\Windows\System32\wbem;C:\Windows\System32\WindowsPowerShell\v1.0;C:\Windows\System32\OpenSSH;C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\Program Files\NVIDIA Corporation\NVIDIA NvDLISR;C:\Program Files\dotnet;C:\Users\kmoha\AppData\Local\Programs\Python\Python310\Scripts;C:\Users\kmoha\AppData\Local\Programs\Python\Python310;C:\Users\kmoha\AppData\Local\Microsoft\WindowsApps;C:\Users\kmoha\AppData\Local\Programs\Microsoft VS Code\bin
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\kmoha\OneDrive\Documents\assi2\bin\Debug\assi2.exe" (in C:\Users\kmoha\OneDrive\Documents\assi2\.)

C:\Users\kmoha\OneDrive\Documents\assi2\main.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 21, Col 78, Pos 496 Insert Read/Write default

```
C:\Users\kmoha\OneDrive\Documents\assi2\bin\Debug\assi2.exe
Enter 1 for circle or 2 for rectangle: 1
Enter the radius of the circle: 50
The area of the circle is: 7853.98

Process returned 0 (0x0)   execution time : 8.818 s
Press any key to continue.
```



main.c [assi2] - Code::Blocks 20.03

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<global> main(): int

main.c

```
1 #include <stdio.h>
2 struct circket
3 {
4     int runs;
5     char name[10];
6 };
7 int main()
8 {
9     int i,n,c=0;
10    struct circket cri[20];
11    printf("enter the no.of players");
12    scanf("%d",&n);
13    for(i=0;i<n;i++)
14    {
15        printf("enter player name of %d\n",i+1);
16        scanf("%s",&cri[i].name);
17        printf("enter runs by %s\n",cri[i].name);
18        scanf("%d",&cri[i].runs);
19        c+=cri[i].runs;
20    }
21    for(i=0;i<n;i++)
22    {
23        printf("%s\n",cri[i].name);
24        printf("%d\n",cri[i].runs);
25        printf(" total runs%d\n",c);
26    }
27    return 0;
28 }
```

Logs & others

Code::Blocks Search results Cccc Build log Build messages CppCheck/Vera++

Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\bin;C:\Windows\System32\OpenSSH;C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\Program Files\NVIDIA Corporation\NVIDIA NvDL... \AppData\Local\Programs\Python\Python310;C:\Users\kmoha\AppData\Local\Microsoft\WindowsApps\.;C:\Users\kmoha\AppData... Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\kmoha\OneDrive\Documents\assi2\bin\Deb...

C:\Users\kmoha\OneDrive\Documents\assi2\main.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 7, Col 11, Pos 88 Insert Read/Write default

enter the no.of players5
enter player name of 1
raju
enter runs by raju
59
enter player name of 2
suresh
enter runs by suresh
60
enter player name of 3
gani
enter runs by gani
99
enter player name of 4
doni
enter runs by doni
100
enter player name of 5
virat
enter runs by virat
99
raju
59
total runs417
suresh
60
total runs417
gani
99
total runs417

main.c [assi2] - Code::Blocks 20.03

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<global>

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Project Workspace assi2 Source

```
11 };
12
13 int main() {
14     struct Student student;
15     time_t now = time(NULL);
16     struct tm *current_time = localtime(&now);
17
18     printf("Enter student name: ");
19     fgets(student.name, 50, stdin);
20     student.name[strcspn(student.name, "\n")] = '\0';
21
22     printf("Enter roll number: ");
23     scanf("%d", &student.rollNumber);
24
25     printf("Enter birthday (yyyy-mm-dd): ");
26     scanf("%d-%d-%d", &student.birthday.tm_year, &student.birthday.tm_mon, &student.birthday.tm_mday);
27     student.birthday.tm_year -= 1900; //
28     student.birthday.tm_mon -= 1; //
29
30     printf("Enter admission date (yyyy-mm-dd): ");
31     scanf("%d-%d-%d", &student.admissionDate.tm_year, &student.admissionDate.tm_mon, &student.admissionDate.tm_mday);
32     student.admissionDate.tm_year -= 1900;
33     student.admissionDate.tm_mon -= 1;
34     double seconds = difftime(mktime(&student.admissionDate), mktime(&student.birthday));
35     double age = seconds / (60 * 60 * 24 * 365.25);
36
37     printf("Name: %s\n", student.name);
38     printf("Roll number: %d\n", student.rollNumber);
39 }
```

Logs & others

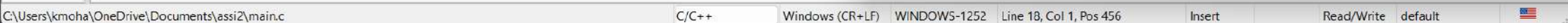
Code::Blocks x Search results x Cccc x Build log x Build messages x CppCheck/Vera++ x

Checking for existence: C:\Users\kmoha\OneDrive\Documents\assi2\bin\Debug\assi2.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\bin;C:\Windows\System32;C:\Windows;C:\Windows\System32\wbem;C:\Windows\System32\WindowsPowerShell\v1.0;C:\Windows\System32\OpenSSH;C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\Program Files\NVIDIA Corporation\NVIDIA NvDLISR;C:\Program Files\dotnet;C:\Users\kmoha\AppData\Local\Programs\Python\Python310\Scripts;C:\Users\kmoha\AppData\Local\Programs\Python\Python310;C:\Users\kmoha\AppData\Local\Microsoft\WindowsApps;C:\Users\kmoha\AppData\Local\Programs\Microsoft VS Code\bin
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\kmoha\OneDrive\Documents\assi2\bin\Debug\assi2.exe" (in C:\Users\kmoha\OneDrive\Documents\assi2\.)

C:\Users\kmoha\OneDrive\Documents\assi2\main.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 5, Col 1, Pos 81 Insert Read/Write default

```
Enter student name: kiraan
Enter roll number: 195542
Enter birthday (yyyy-mm-dd): 2004-02-22
Enter admission date (yyyy-mm-dd): 2023-03-28
Name: kiraan
Roll number: 195542
Age at admission: 61.22

Process returned 0 (0x0)   execution time : 37.499 s
Press any key to continue.
```

main.c [assi2] - Code::Blocks 20.03

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<global> main(): int

main.c

```
3 #define MAX_EMPLOYEES 100
4
5 struct Employee {
6     int eno;
7     char ename[50];
8     float salary;
9 };
10
11 int main() {
12     struct Employee emp[MAX_EMPLOYEES];
13     int n, i, maxIndex;
14     float maxSalary;
15     printf("Enter the number of employees: ");
16     scanf("%d", &n);
17     for (i = 0; i < n; i++) {
18         printf("\nEnter details of employee %d:\n", i+1);
19         printf("Employee Number: ");
20         scanf("%d", &emp[i].eno);
21         printf("Employee Name: ");
22         scanf("%s", emp[i].ename);
23         printf("Salary: ");
24         scanf("%f", &emp[i].salary);
25     }
26     maxIndex = 0;
27     maxSalary = emp[0].salary;
28     for (i = 1; i < n; i++) {
29         if (emp[i].salary > maxSalary) {
30             maxIndex = i;
```

Salary: 74111

Enter details of employee 2:
Employee Number: 998
Employee Name: jani
Salary: 100000

Enter details of employee 3:
Employee Number: 8552
Employee Name: gabr
Salary: 3222

Enter details of employee 4:
Employee Number: 9633
Employee Name: gdank
Salary: 80000

Enter details of employee 5:
Employee Number: 3336
Employee Name: ntart
Salary: 60000

Details of employee with highest salary:
Employee Number: 998
Employee Name: jani
Salary: 100000.00

Process returned 0 (0x0) execution time : 113.075 s
Press any key to continue.

Checking for existence: C:\Users\kmoha\OneDrive\Documents\assi2\bin\Debug\assi2.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\bin;C:\Windows\System32;C:\Windows;C:\Windows\System32\wbem;C:\Windows\System32\WindowsPowerShell\v1.0;C:\Windows\System32\OpenSSH;C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\Program Files\NVIDIA Corporation\NVIDIA NvDLISR;C:\Program Files\dotnet;C:\Users\kmoha\AppData\Local\Programs\Python\Python310\Scripts;C:\Users\kmoha\AppData\Local\Programs\Python\Python310;C:\Users\kmoha\AppData\Local\Microsoft\WindowsApps\;C:\Users\kmoha\AppData\Local\Programs\Microsoft VS Code\bin
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\kmoha\OneDrive\Documents\assi2\bin\Debug\assi2.exe" (in C:\Users\kmoha\OneDrive\Documents\assi2\.)

C:\Users\kmoha\OneDrive\Documents\assi2\main.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 25, Col 6, Pos 609 Insert Read/Write default

main.c [assi2] - Code::Blocks 20.03

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<global>

main.c

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <string.h>
4
5 #define MAX_BOOKS 100
6
7 struct Book {
8     char title[100];
9     char author[100];
10    int year;
11};
12
13 struct Library {
14     struct Book books[MAX_BOOKS];
15     int count;
16};
17
18 void addBook(struct Library *lib) {
19     if (lib->count == MAX_BOOKS) {
20         printf("Library is full!\n");
21         return;
22     }
23     struct Book book;
24     printf("Enter the details of the book:\n");
25     printf("Title: ");
26     scanf("%s", book.title);
27     printf("Author: ");
28     scanf("%s", book.author);
```

Library Management System

1. Add book
2. Display all books
3. List books by author
4. Count books in library
5. Exit
Enter your choice (1-5): 2
No books in library!

Library Management System

1. Add book
2. Display all books
3. List books by author
4. Count books in library
5. Exit
Enter your choice (1-5): 1
Enter the details of the book:
Title: tagore
Author: tagore
Year of publication: 1933
Book added successfully!

Library Management System

1. Add book
2. Display all books
3. List books by author

Logs & others

Code::Blocks Search results Cccc Build log Build messages CppCheck/Ver...

Checking for existence: C:\Users\kmoha\OneDrive\Documents\assi2\bin\Debug\assi2.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\bin;C:\Windows
\OpenSSH\C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\Program Files\NVIDIA Corporation\NVIDIA NvDLISR;C:\Program Files\dotnet;C:\Users\kmoha\AppData\Local\Programs\Python\Python310\Scripts;C:\Users\kmoha
\AppData\Local\Programs\Python\Python310;C:\Users\kmoha\AppData\Local\Microsoft\WindowsApps\;C:\Users\kmoha\AppData\Local\Programs\Microsoft VS Code\bin
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\kmoha\OneDrive\Documents\assi2\bin\Debug\assi2.exe" (in C:\Users\kmoha\OneDrive\Documents\assi2\.)

C:\Users\kmoha\OneDrive\Documents\assi2\main.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 107, Col 1, Pos 2942 Insert Read/Write default



main.c [assi2] - Code::Blocks 20.03

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<global>

Managemen x

Project

Workspace

assi2

Source

```
1 #include <stdio.h>
2
3 union Data {
4     int integer;
5     float floating_point;
6 };
7
8 int main() {
9     union Data data;
10    int choice;
11    printf("Enter 1 to store an integer value or 2 to store a floating-
12    scanf("%d", &choice);
13    if (choice == 1) {
14        printf("Enter an integer value: ");
15        scanf("%d", &data.integer);
16        printf("The integer value entered is %d.\n", data.integer);
17    } else if (choice == 2) {
18        printf("Enter a floating-point value: ");
19        scanf("%f", &data.floating_point);
20        printf("The floating-point value entered is %f.\n", data.floating
21    } else {
22        printf("Invalid choice.\n");
23    }
24    return 0;
25 }
26
```

Logs & others

Code::Blocks x Search results x Cccc x Build log x Build messages x CppCheck/Vera++ x

Checking for existence: C:\Users\kmoha\OneDrive\Documents\assi2\bin\Debug\assi2.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\bin;C:\Windows\System32
\OpenSSH\bin;C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\Program Files\NVIDIA Corporation\NVIDIA NvDLISR;C:\Program Files\dotnet;C:\Users\kmoha\AppData\Local\Programs\Python\Python310\Scripts;C:\Users\kmoha\AppData\Local\Programs\Python\Python310;C:\Users\kmoha\AppData\Local\Microsoft\WindowsApps\;C:\Users\kmoha\AppData\Local\Programs\Microsoft VS Code\bin
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\kmoha\OneDrive\Documents\assi2\bin\Debug\assi2.exe" (in C:\Users\kmoha\OneDrive\Documents\assi2\.)

C:\Users\kmoha\OneDrive\Documents\assi2\main.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 26, Col 1, Pos 717 Insert Read/Write default

Enter 1 to store an integer value or 2 to store a floating-point value: 1
Enter an integer value: 56
The integer value entered is 56.

Process returned 0 (0x0) execution time : 11.404 s
Press any key to continue.

