

Addition: 25
Subtraction: 15
Multiplication: 100
Division: 4

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🔗

🔧

📁

🔬

🔄

👤

⚙️

EXPLORER

OPEN EDITORS

day92.c c++

day93.c c++

exp10.1.c c++

exp10.2.c c++

exp11.1.c c++

exp11.2.c c++

exp12.1.c c++

exp12.2.c c++

exap13.c c++

exp14.1.c c++

VS

c++

day90

day90.c

day91

day91.c

day92

day92.c

day93.c

day94

day94.c

day95.c

day96.c

day97.c

Definea...

Definea...

DMA

DMA.c

DoWhile...

DoWhile...

ex1

ex1.c

exap13

exap13.c

exp3.1

exp3.1.c

day92.c

day93.c

exp10.1.c

exp10.2.c

exp11.1.c

exp11.2.c

exp12.1.c

exp12.2.c

exap13.c

c++ > C day92.c > main()

1 #include <stdio.h>

2

3 struct Student {

4 char name[50];

5 int roll;

6 float marks;

7 };

8

9 int main() {

10 struct Student s[5];

11

12 printf("Enter details of 5 students:\n");

13

14 for (int i = 0; i < 5; i++) {

15 printf("\nStudent %d\n", i + 1);

16

17 printf("Name: ");

18 scanf("%s", s[i].name);

19

20 printf("Roll: ");

21 scanf("%d", &s[i].roll);

22

23 printf("Marks: ");

24 scanf("%f", &s[i].marks);

25 }

26

27 printf("\n----- STUDENT LIST ----- \n");

28 printf("Name\t\tRoll\t\tMarks\n");

29 printf("----- \n");

30

31 for (int i = 0; i < 5; i++) {

32 printf("%s\t\t%d\t\t%.2f\n", s[i].name, s[i].roll, s[i].marks);

33 }

34

35 return 0;

36 }

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

SPELL CHECKER 2

cd "/Users/rishabhtrivedi/Documents/vs/c++/" && gcc day92.c -o day92 && "/Users/rishabhtrivedi/Documents/vs/c++/"day92

o rishabhtrivedi@Rishabhs-MacBook-Air vs % cd "/Users/rishabhtrivedi/Documents/vs/c++/" && gcc day92.c -o day92 && "/Users/rishabhtrivedi/Documents/vs/c++/"day92

Enter details of 5 students:

Student 1

Name: rishabh

Roll: 40

Code

Code

c++

master+

0 0

vs/c++

Debug

Indexing completed.

Ln 17, Col 26

Spaces: 4

UTF-8

LF

{}

C

Go Live

macos-clang-x64

Prettier

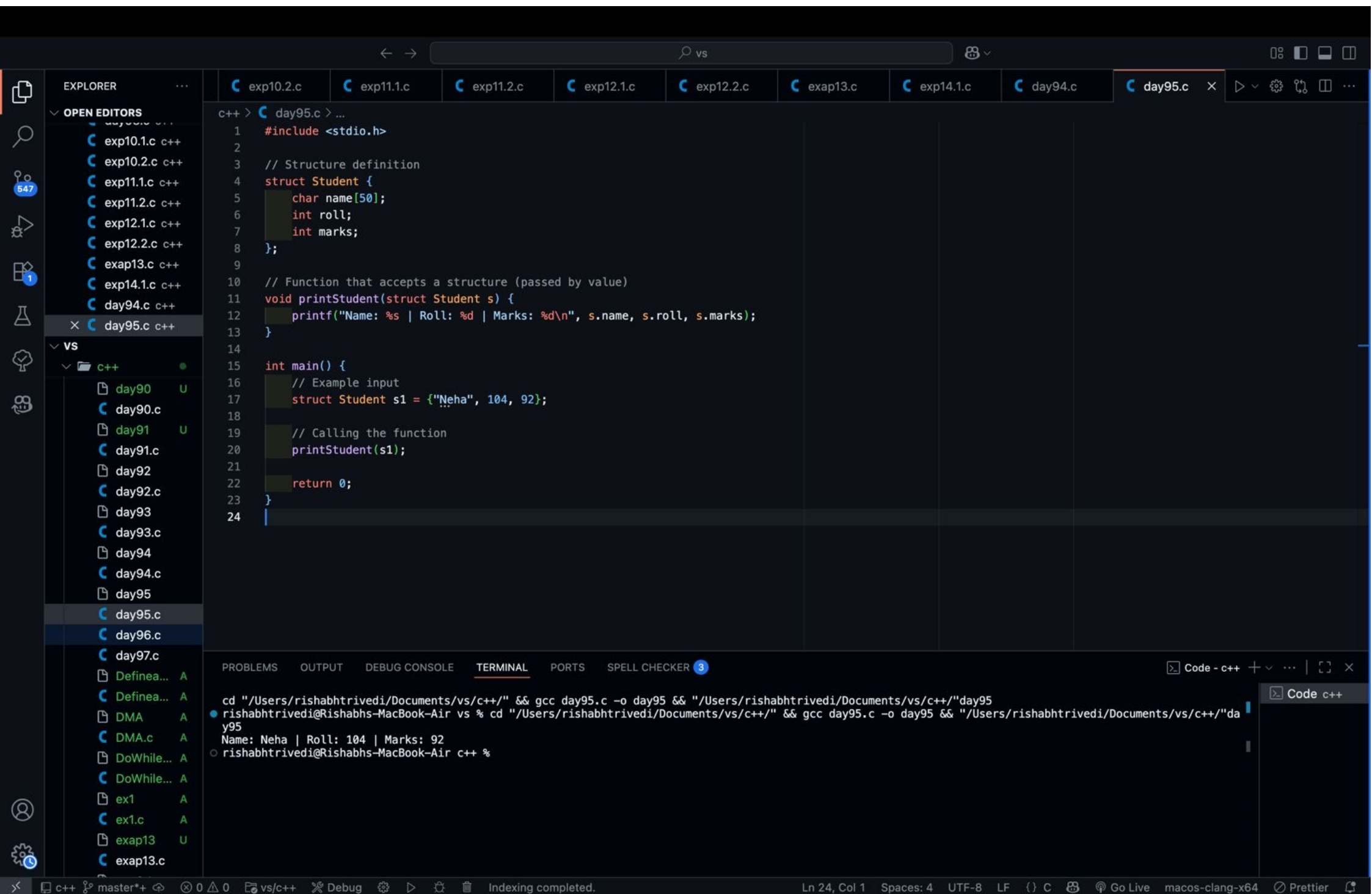
The screenshot displays the Visual Studio Code interface with a C++ project open. The Explorer sidebar on the left shows the file structure, including folders for 'c++' and 'vs', and various source files like 'exp11.1.c', 'exp11.2.c', 'exp12.1.c', 'exp12.2.c', 'exap13.c', 'exp14.1.c', 'day94.c', 'day95.c', 'day96.c', and 'day97.c'. The main editor window shows the contents of 'day97.c', which defines an 'Employee' struct and a 'main' function that takes user input and writes it to a binary file.

```
c++ > day97.c > ...  
1 #include <stdio.h>  
2  
3 // Structure for Employee  
4 struct Employee {  
5     char name[50];  
6     int id;  
7     float salary;  
8 };  
9  
10 int main() {  
11     struct Employee e1, e2;  
12  
13     // Take input from user  
14     printf("Enter Employee Name: ");  
15     scanf("%s", e1.name);  
16  
17     printf("Enter Employee ID: ");  
18     scanf("%d", &e1.id);  
19  
20     printf("Enter Salary: ");  
21     scanf("%f", &e1.salary);  
22  
23     // ----- Write to Binary File -----  
24     FILE *fp = fopen("employee.bin", "wb");  
25     if (fp == NULL) {  
26         printf("Error opening file!\n");  
27         return 1;  
28     }  
29  
30     fwrite(&e1, sizeof(struct Employee), 1, fp);  
31     fclose(fp);  
32 }
```

The TERMINAL panel at the bottom shows the execution output:

```
cd "/Users/rishabhtrivedi/Documents/vs/c++/" && gcc day97.c -o day97 && "/Users/rishabhtrivedi/Documents/vs/c++/"day97  
rishabhtrivedi@Rishabhs-MacBook-Air vs % cd "/Users/rishabhtrivedi/Documents/vs/c++/" && gcc day97.c -o day97 && "/Users/rishabhtrivedi/Documents/vs/c++/"da  
y97  
Enter Employee Name: rishabh  
Enter Employee ID: 455667  
Enter Salary: 456  
  
Data read from file:  
Name: rishabh  
ID: 455667  
Salary: 456.00  
○ rishabhtrivedi@Rishabhs-MacBook-Air c++ %
```

The image shows a Visual Studio Code editor window with a C++ project. The Explorer sidebar on the left shows a folder named 'c++' containing several files, including 'day97.c' which is currently selected. The main editor area displays the code for 'day97.c'. The code defines an 'Employee' struct with fields for 'name' (a 50-character string), 'id' (an integer), and 'salary' (a float). The 'main' function takes user input for an employee's name, ID, and salary, then writes this data to a binary file named 'employee.bin'. After writing, it reads the data back from the file and prints it to the console. The status bar at the bottom indicates the current file is 'day97.c' and the language is 'C++'. The bottom right corner shows the status bar with 'Ln 49, Col 1', 'Spaces: 4', 'UTF-8', 'LF', and 'C'.



EXPLORES

OPEN EDITORS

VS

c++

day90 U

day90.c

day91 U

day91.c

day92

day92.c

day93

day93.c

day94

day94.c

day95

day95.c

day96

day96.c

day97.c

Definea... A

Definea... A

DMA A

DMA.c A

DoWhile... A

DoWhile... A

ex1 A

ex1.c A

exap13 U

exp11.1.c

exp11.2.c

exp12.1.c

exp12.2.c

exap13.c

exp14.1.c

day94.c

day95.c

day96.c

c++ > day96.c > ...

1 #include <stdio.h>

2

3 // Nested structure for Date

4 struct Date {

5 int day;

6 int month;

7 int year;

8 };

9

10 // Structure for Employee containing Date structure

11 struct Employee {

12 char name[50];

13 int id;

14 struct Date joinDate;

15 };

16

17 void printEmployee(struct Employee e) {

18 printf("Name: %s | ID: %d | Joining Date: %02d/%02d/%04d\n",

19 e.name, e.id, e.joinDate.day, e.joinDate.month, e.joinDate.year);

20 }

21

22 int main() {

23 // Input Example

24 struct Employee emp = {"Raj", 11, {12, 5, 2020}};

25

26 // Print details

27 printEmployee(emp);

28

29 return 0;

30 }

31

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

SPELL CHECKER 3

Code - c++

Code c++

cd "/Users/rishabhtrivedi/Documents/vs/c++/" && gcc day96.c -o day96 && "/Users/rishabhtrivedi/Documents/vs/c++/"day96

• rishabhtrivedi@Rishabhs-MacBook-Air vs % cd "/Users/rishabhtrivedi/Documents/vs/c++/" && gcc day96.c -o day96 && "/Users/rishabhtrivedi/Documents/vs/c++/"day96

Name: Raj | ID: 11 | Joining Date: 12/05/2020

○ rishabhtrivedi@Rishabhs-MacBook-Air c++ %

Ln 31, Col 1

Spaces: 4

UTF-8

LF

{ } C

Go Live

macos-clang-x64

Prettier

🏠

🔍

🔗

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👤

⚙️

EXPLORER

OPEN EDITORS

day92.c c++

day93.c c++

exp10.1.c c++

exp10.2.c c++

exp11.1.c c++

exp11.2.c c++

exp12.1.c c++

exp12.2.c c++

exap13.c c++

exp14.1.c c++

VS

c++

day90 U

day90.c

day91 U

day91.c

day92

day92.c

day93

day93.c

day94

day94.c

day95.c

day96.c

day97.c

Definea... A

Definea... A

DMA A

DMA.c A

DoWhile... A

DoWhile... A

ex1 A

ex1.c A

exap13 U

exap13.c

exp3.1 U

day92.c

day93.c

exp10.1.c

exp10.2.c

exp11.1.c

exp11.2.c

exp12.1.c

exp12.2.c

exap13.c

c++ > day93.c > main()

1 #include <stdio.h>

2

3 struct Student {

4 char name[50];

5 int roll;

6 float marks;

7 };

8

9 int main() {

10 int n = 3;

11 struct Student s[3] = {

12 {"Ravi", 101, 95},

13 {"Sita", 102, 85},

14 {"Aman", 103, 88}

15 };

16

17 int topperIndex = 0;

18

19 for (int i = 1; i < n; i++) {

20 if (s[i].marks > s[topperIndex].marks) {

21 topperIndex = i;

22 }

23 }

24

25 printf("Topper: %s (Marks: %.0f)\n", s[topperIndex].name, s[topperIndex].marks);

26

27 return 0;

28 }

29

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

SPELL CHECKER 3

Code - c++

Code c++

cd "/Users/rishabhtrivedi/Documents/vs/c++/" && gcc day93.c -o day93 && "/Users/rishabhtrivedi/Documents/vs/c++/"day93

• rishabhtrivedi@Rishabhs-MacBook-Air vs % cd "/Users/rishabhtrivedi/Documents/vs/c++/" && gcc day93.c -o day93 && "/Users/rishabhtrivedi/Documents/vs/c++/"day93

Topper: Ravi (Marks: 95)

○ rishabhtrivedi@Rishabhs-MacBook-Air c++ %

Ln 20, Col 49

Spaces: 4

UTF-8

LF

{ } C

Go Live

macos-clang-x64

Prettier

EXPLORES

OPEN EDITORS

VS

C++

day90

day90.c

day91

day91.c

day92

day92.c

day93

day93.c

day94

day94.c

day95.c

day96.c

day97.c

Definea...

Definea...

DMA

DMA.c

DoWhile...

DoWhile...

ex1

ex1.c

exap13

exap13.c

exp3.1

exp10.1.c

exp10.2.c

exp11.1.c

exp11.2.c

exp12.1.c

exp12.2.c

exap13.c

exp14.1.c

day94.c

day94.c

1#include <stdio.h>

2

3// Define structure

4struct Student {

5char name[50];

6int roll;

7int marks;

8};

9

10// Function that accepts structure and prints its members

11void printStudent(struct Student s) {

12printf("Name: %s | Roll: %d | Marks: %d\n", s.name, s.roll, s.marks);

13}

14

15int main() {

16struct Student s1 = {"Neha", 104, 92};

17

18// Pass structure to function

19printStudent(s1);

20

21return 0;

22}

23

24

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

SPELL CHECKER

Code - c++

Code c++

cd "/Users/rishabhtrivedi/Documents/vs/c++/" && gcc day94.c -o day94 && "/Users/rishabhtrivedi/Documents/vs/c++/"day94

• rishabhtrivedi@Rishabhs-MacBook-Air vs % cd "/Users/rishabhtrivedi/Documents/vs/c++/" && gcc day94.c -o day94 && "/Users/rishabhtrivedi/Documents/vs/c++/"day94

Name: Neha | Roll: 104 | Marks: 92

○ rishabhtrivedi@Rishabhs-MacBook-Air c++ %

Ln 24, Col 1

Spaces: 4

UTF-8

LF

{ } C

Go Live

macos-clang-x64

Prettier