

Assignment-4

The screenshot shows the Code::Blocks IDE with a C++ project named 'student.c'. The code in 'student.c' prompts the user to enter employee details: ID, Name, Designation, Department, and Salary. The program then displays these details. The output window shows the following input and output:

```
Enter Employee ID: 549
Enter Employee Name: Ravi
Enter Employee Designation: manager
Enter Employee Department: CSE
Enter Employee Salary: 45000

Employee ID: 549
Employee Name: Ravi
Employee Designation: manager
Employee Department: CSE
Employee Salary: 45000.00
Process returned 0 (0x0)   execution time : 63.137 s
Press any key to continue.
```

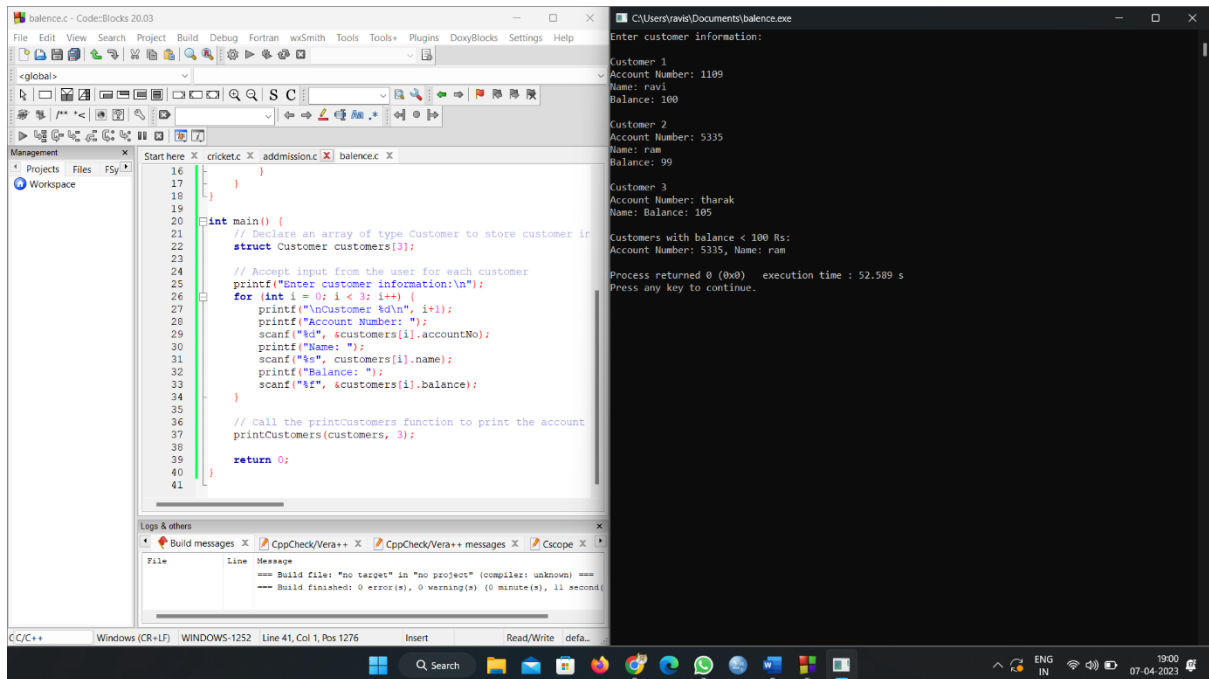
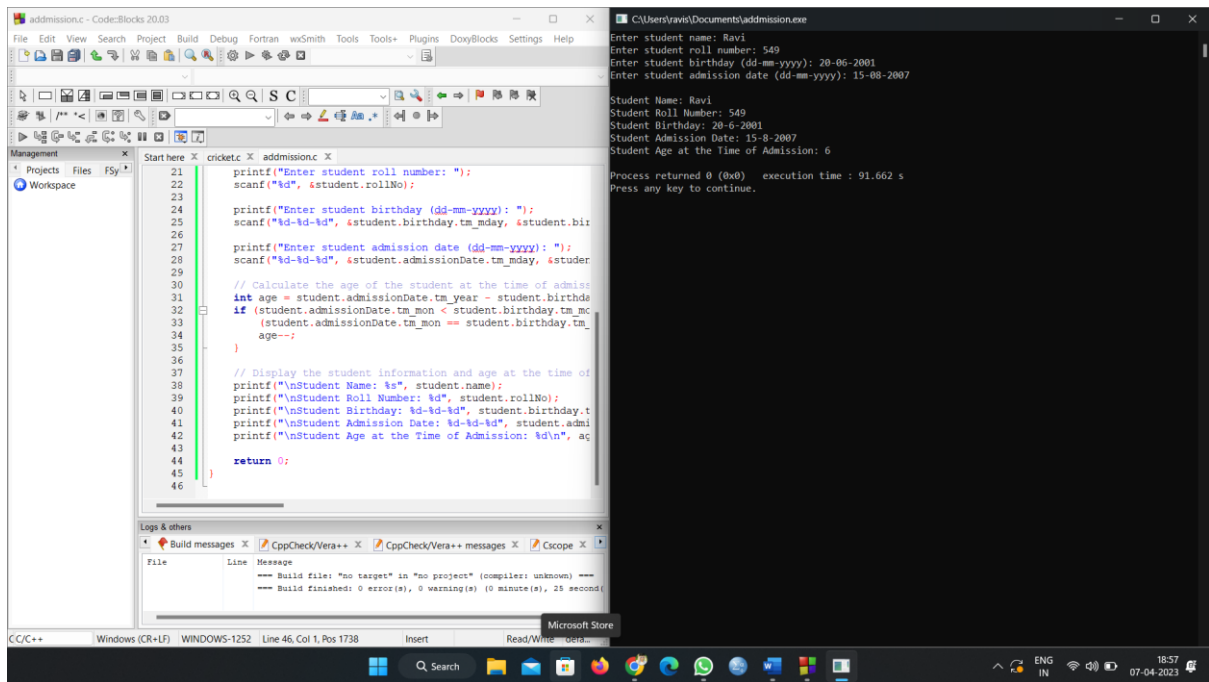
The status bar at the bottom indicates 'C/C++', 'Windows (CR+LF)', 'WINDOWS-1252', 'Line 41, Col 1, Pos 1005', and 'Insert' mode.

The screenshot shows the Code::Blocks IDE with a C++ project named 'cricket.c'. The code in 'cricket.c' prompts the user to enter batting information for 11 players, including Name and Runs. The program then calculates and displays the total runs scored by the team. The output window shows the following input and output:

```
Runs: 85
Player 6
Name: hardik
Runs: 45
Player 7
Name: jaddu
Runs: 20
Player 8
Name: sundhar
Runs: 35
Player 9
Name: shami
Runs: 15
Player 10
Name: siraj
Runs: 6
Player 11
Name: sing
Runs: 6

Total runs scored by the team: 468
Process returned 0 (0x0)   execution time : 130.963 s
Press any key to continue.
```

The status bar at the bottom indicates 'C/C++', 'Windows (CR+LF)', 'WINDOWS-1252', 'Line 34, Col 1, Pos 891', and 'Insert' mode.



Assignment_4(1) (Protected View) - Word

Be careful—files from the Internet can contain viruses. Unless you need to edit, it's safer to stay in Protected View.

Enter Record for Student-1
Enter Roll-No. : 101
Enter Name : Sapna
Enter Marks of Subject 1 : 50
Enter Marks of Subject 2 : 69
Enter Marks of Subject 3 : 76

Enter Record for Student-2
Enter Roll-No. : 102
Enter Name : Roshan
Enter Marks of Subject 1 : 65
Enter Marks of Subject 2 : 75
Enter Marks of Subject 3 : 82

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

ROLLNO	NAME	TOTAL-MARKS	AVG
102	Roshan	222	74.00
101	Sapna	195	65.00

8. Write a program that declares a union variable data that can store an integer or a float value. Prompt the user to enter a value of their choice and store it in the appropriate member of the union. Then, print the value that was entered.

9. Create a program that defines a union student that can store a student's name (up to 50 characters) and their GPA. Prompt the user to enter the student's name and GPA, and store them in the union. Then, print the student's name and GPA.

10. Write a program that defines a union shape that can store a circle's radius or a rectangle's length and width. Prompt the user to enter the type of shape they want to calculate (circle or rectangle), and then prompt them to enter the appropriate dimensions. Calculate and print the area of the shape they entered.

Enter the number of employees: 549

Enter employee details:

Employee 1
Employee Number: 101
Employee Name: ravi
Employee Salary: 45000

Employee 2
Employee Number: 187
Employee Name: ram
Employee Salary: 50000

Employee 3
Employee Number: 335
Employee Name: naveen
Employee Salary: 35000

Employee 4
Employee Number: 400
Employee Name: tharak
Employee Salary: 30000

Employee 5
Employee Number: 206
Employee Name: harish
Employee Salary: 40000

Employee 6
Employee Number: 117
Employee Name: rithik
Employee Salary: 15000

Employee 7
Employee Number: 445
Employee Name: sharath
Employee Salary: 25000

Employee 8
Employee Number: 678
Employee Name: hgej
Employee Salary: 8760

Employee 9
Employee Number: 665
Employee Name: sai
Employee Salary: 60000

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workc - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoryBlocks Settings Help

<global>

Management

Projects Files FS5

Start here X workc X

```
71 printf("%s", Exit("\n"));
72 printf("Enter your choice: ");
73 scanf("%d", &choice);
74 getchar(); // consume the newline character left in the buffer
75 switch (choice) {
76     case 1:
77         add_book();
78         break;
79     case 2:
80         display_books();
81         break;
82     case 3:
83         list_author_books();
84         break;
85     case 4:
86         count_books();
87         break;
88     case 5:
89         printf("Goodbye!\n");
90         break;
91     default:
92         printf("Invalid choice.\n");
93 }
94 while (choice != 5);
95 return 0;
96 }
97 }
```

Logs & others

Build messages X CppCheck/Ver++ X CppCheck/Ver++ messages X Cscope X

File Line Message

==== Build file: "no target" in "no project" (compiler: unknown) ===

==== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 9 second(s))

Menu:

1. Add book details
2. Display book details
3. List all books of given author
4. List the count of books in the library
5. Exit

Enter your choice: 1

Enter book title: 4

Enter author name: ravi

Enter year of publication: 2007

Enter price: 650

Book added to library.

Menu:

1. Add book details
2. Display book details
3. List all books of given author
4. List the count of books in the library
5. Exit

Enter your choice:

CC/C++ Windows (CR+LF) WINDOWS-1252 Line 97, Col 1, Pos 2607 Insert Read/Write default

