

1.young of 3

The image shows a screenshot of a C++ IDE (Code::Blocks 20.03) with a project named "young of 3.c". The main window displays the source code for a program that takes the ages of three people (Ram, Shyam, and Ajay) as input and prints the name of the youngest person. The code is as follows:

```
1  #include<stdio.h>
2  int main()
3  {
4      int Ram,Shyam,Ajay;
5      printf("Enter the age of Ram: ");
6      scanf("%d",&Ram);
7      printf("Enter the age of Shyam: ");
8      scanf("%d",&Shyam);
9      printf("Enter the age of Ajay: ");
10     scanf("%d",&Ajay);
11     if(Ram>Shyam && Ajay>Shyam)
12         printf("Shyam is youngest");
13     else if(Shyam>Ram && Ajay>Ram)
14         printf("Ram is youngest");
15     else if(Shyam>Ajay && Ram>Ajay)
16         printf("Ajay is youngest");
17     else
18         printf("There is a tie in ages");
19     return 0;
20 }
```

The output window shows the execution results:

```
Enter the age of Ram: 20
Enter the age of Shyam: 20
Enter the age of Ajay: 18
Ajay is youngest
Process returned 0 (0x0)   execution time : 5.989 s
Press any key to continue.
```

The bottom status bar indicates the current file is "G:\CODE\Uni Lab\lr-5,04324205101011\young of 3.c" and the cursor is at Line 19, Col 14, Pos 534.

2.insurance company

The screenshot displays the Code::Blocks IDE with a C program for an insurance company. The program prompts the user for marital status, gender, and age, then determines if they are insured based on specific criteria.

```
1  #include<stdio.h>
2  int main()
3  {
4      char ms,sex;
5
6      printf("You marital status?(M for married, U for unmarried): ");
7      scanf(" %c",&ms);
8
9      printf("Your gender?(M for Male, F for Female): ");
10     scanf(" %c",&sex);
11     int age;
12     printf("Your age: ");
13     scanf(" %d",&age);
14
15     if(ms=='M' || (ms=='U' && ((sex=='M' && age>30) || (sex=='F' && age>25))))
16     {
17         printf("Insured");
18     }
19     else{
20         printf("Not insured");
21     }
22
23     return 0;
```

The terminal window shows the program's execution with the following input and output:

```
You marital status?(M for married, U for unmarried): U
Your gender?(M for Male, F for Female): F
Your age: 22
Not insured
Process returned 0 (0x0)   execution time : 3.365 s
Press any key to continue.
```

The IDE's status bar at the bottom indicates the current file is `G:\CODE\Uri Lab\Ir-5,0432405101011\2.insurance company.c`, the language is `C/C++`, and the cursor is at `Line 13, Col 23, Pos 294`. The system tray shows the date and time as `10/15/2024 8:27 PM`.

3.calculator

The screenshot displays the Code::Blocks IDE with a C program for a simple calculator. The program prompts the user for two numbers and an operator, then performs the corresponding arithmetic operation. The execution window shows the program running successfully with the input values 2, 3, and the '+' operator, resulting in 5. The status bar at the bottom indicates the current file is 3.calculator.c and the cursor is at line 33, column 15.

```
//SIMPLE CALCULATOR
#include<stdio.h>
int main()
{
    char op;
    float n1,n2,result;

    printf("Enter first number: ");
    scanf("%f",&n1);
    printf("Enter second number: ");
    scanf("%f",&n2);
    printf("Choose a operator (+,-,*,/): ");
    scanf(" %c",&op);

    switch(op)
    {
        case '+':
            result=n1+n2;
            printf("%.4f %c %.4f = %.4f",n1,op,n2,result);
            break;
        case '-':
            result=n1-n2;
            printf("%.4f %c %.4f = %.4f",n1,op,n2,result);
            break;
        case '*':
            result=n1*n2;
            printf("%.4f %c %.4f = %.4f",n1,op,n2,result);
            break;
        case '/':
            result=n1/n2;
            printf("%.4f %c %.4f = %.4f",n1,op,n2,result);
            break;
        default:
            printf("Invalid operator used");
    }
}
```

Execution Output:

```
Enter first number: 2
Enter second number: 3
Choose a operator (+,-,*,/): +
Invalid operator used
Process returned 0 (0x0)   execution time : 3.216 s
Press any key to continue.
```

Build Log:

```
==== Build file: "no target" in "no project" (compiler: unknown) ====
==== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ====
```

4.area perimeter g or s

The screenshot displays the Code::Blocks IDE interface. The main editor window shows a C++ program for calculating the area and perimeter of a rectangle. The code is as follows:

```
1  #include<stdio.h>
2  int main()
3  {
4      int length=5,breadth=4,area,perimeter;
5      area=length*breadth;
6      printf("Area: %d*d=%d",length,breadth,area);
7      perimeter=(length+breadth)*2;
8      printf("\nPerimeter: (%d+%d)*2=%d",length,breadth,perimeter);
9
10     if(area>perimeter)
11     {
12         printf("\nArea of the rectangle with length = 5 and breadth = 4 is greater than its perimeter.");
13     }
14     else
15     {
16         printf("\nPerimeter of the rectangle with length = 5 and breadth = 4 is greater than its area.");
17     }
18 }
19
```

The output window on the right shows the execution results:

```
Area: 5*4=20
Perimeter: (5+4)*2=18
Area of the rectangle with length = 5 and breadth = 4 is greater than its perimeter.
Process returned 0 (0x0)   execution time : 0.030 s
Press any key to continue.
```

The bottom status bar indicates the current file is `G:\CODE\Uni Lab\lr-5,0432405101011\4.area perimeter g or s.c` and the cursor is at line 16, column 18, position 438.

5.grade

The image shows a C++ IDE with a source code editor, a terminal, and a logs window.

Source Code (5.grade.c):

```
1 #include<stdio.h>
2 int main()
3 {
4     float s1,s2,s3,s4,s5,total,percent;
5     printf("Enter the marks obtained in 5 subs: ");
6     scanf("%f%f%f%f%f", &s1,&s2,&s3,&s4,&s5);
7     total=s1+s2+s3+s4+s5;
8     printf("Total marks obtained in 5subs: %.2f\n",total);
9     percent=(total/500)*100;
10    printf("In percentage: %.2f",percent);printf("%%\n");
11    if((s1>0&&s2>0&&s3>0&&s4>0&&s5>0) && (s1<101&&s2<101&&s3<101&&s4<101&&s5<101))
12    {
13        if(percent>=60 && percent<=100)
14        {
15            printf("First division");
16        }
17        else if(percent>=50 && percent<=59)
18        {
19            printf("Second division");
20        }
21        else if(percent>=40 && percent<=49)
22        {
23            printf("Third division");
24        }
25        else
26        {
27            printf("Fail");
28        }
29    }
30    else {printf("Invalid");}
```

Terminal Output:

```
Enter the marks obtained in 5 subs: -2
66
64
45
55
Total marks obtained in 5subs: 228.00
In percentage: 45.60%
Invalid
Process returned 0 (0x0)   execution time : 7.165 s
Press any key to continue.
```

Logs & others:

```
F. 1. Message
=== Build file: "no target" in "no project" (compiler: unknown) ===
=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===
```

Windows Taskbar: Shows the system clock as 5:19 PM on 10/15/2024, along with various application icons.

6.vowel con dig or other

The image shows a C++ IDE (Code::Blocks 20.03) with a project named "6.vowel con dig or other.c". The code is as follows:

```
1 #include<stdio.h>
2 int main()
3 {
4     char ch;
5     printf("Enter the character: ");
6     scanf("%c", &ch);
7     switch(ch)
8     {
9         case 'a':case 'e':case 'i':case 'o':case 'u':
10        case 'A':case 'E':case 'I':case 'O':case 'U':
11            printf("VOWEL");
12            break;
13
14        case 'b':case 'c':case 'd':case 'f':case 'g':case 'h':case 'j':case 'k':case 'l':case 'm':case 'n':
15        case 'p':case 'q':case 'r':case 's':case 't':case 'v':case 'w':case 'x':case 'y':case 'z':
16        case 'B':case 'C':case 'D':case 'F':case 'G':case 'H':case 'J':case 'K':case 'L':case 'M':case 'N':
17        case 'P':case 'Q':case 'R':case 'S':case 'T':case 'V':case 'W':case 'X':case 'Y':case 'Z':
18            printf("CONSONANT");
19            break;
20
21        case '0':case '1':case '2':case '3':case '4':case '5':case '6':case '7':case '8':case '9':
22            printf("DIGIT");
23            break;
24
25        default: printf("OTHER CHARACTER");
26    }
27    return 0;
28 }
```

The program is executed, and the output is shown in a terminal window:

```
Enter the character: %
OTHER CHARACTER
Process returned 0 (0x0)   execution time : 10.040 s
Press any key to continue.
```

The IDE also shows a message box at the bottom:

```
==== Build file: "no target" in "no project" (compiler: unknown) ====
---- Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ----
```

The status bar at the bottom indicates the file path: G:\CODE\Uri Lab\lr-5,04324205101011\6.vowel con dig or other.c, and the current line is 15, column 57, position 458.

7.week with dayno.

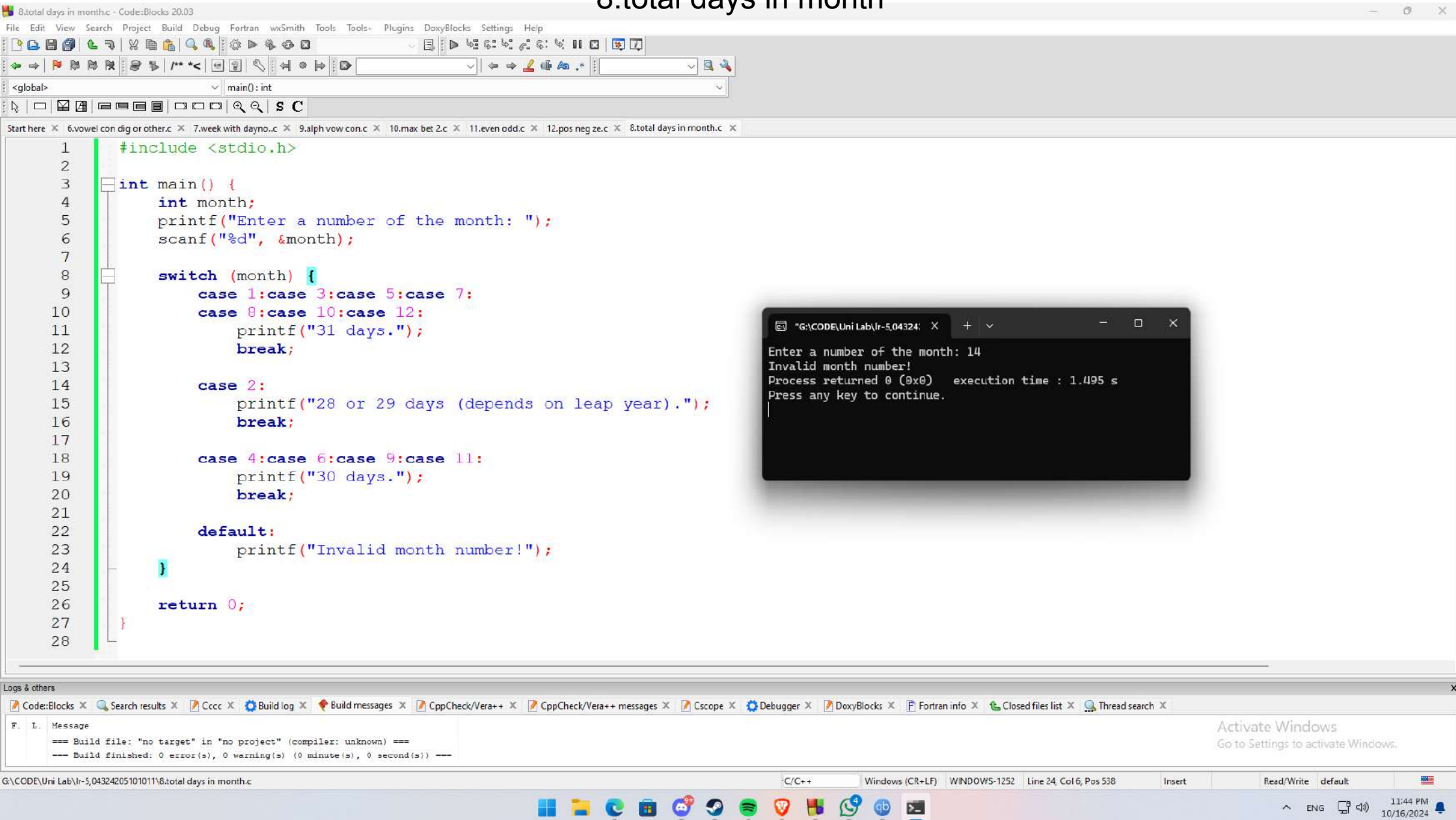
The screenshot displays the Code::Blocks IDE interface. The main editor window shows a C++ program titled "7.week with dayno.c". The program uses a switch statement to determine the day of the week based on a user input (weekday) ranging from 1 to 7. The code is as follows:

```
1 #include<stdio.h>
2 int main()
3 {
4     int weekday;
5     printf("Enter day(1-7) of the week: ");
6     scanf("%d", &weekday);
7
8     switch(weekday)
9     {
10     case 1:
11         printf("Sunday");
12         break;
13     case 2:
14         printf("Monday");
15         break;
16     case 3:
17         printf("Tuesday");
18         break;
19     case 4:
20         printf("Wednesday");
21         break;
22     case 5:
23         printf("Thursday");
24         break;
25     case 6:
26         printf("Friday");
27         break;
28     case 7:
29         printf("Saturday");
30         break;
31     default: printf("Invalid input");
32 }
```

An output window titled "G:\CODE\Uni Lab\lr-5,04324" shows the program's execution. It prompts the user to "Enter day(1-7) of the week: 8", which results in "Invalid input". The output also shows "Process returned 0 (0x0) execution time : 1.993 s" and "Press any key to continue.".

The bottom status bar indicates the current file is "G:\CODE\Uni Lab\lr-5,04324\7.week with dayno.c" and the cursor is at "Line 24, Col 15, Pos 438". The Windows taskbar at the bottom shows the system clock as 9:38 PM on 10/16/2024.

8.total days in month



The screenshot displays the Code::Blocks IDE with a C program titled "8.total days in month.c". The program uses a switch statement to determine the number of days in a given month. The terminal window shows the program's execution, where an invalid month number (14) is entered, resulting in an "Invalid month number!" message.

```
1  #include <stdio.h>
2
3  int main() {
4      int month;
5      printf("Enter a number of the month: ");
6      scanf("%d", &month);
7
8      switch (month) {
9          case 1:case 3:case 5:case 7:
10             case 8:case 10:case 12:
11                 printf("31 days.");
12                 break;
13
14             case 2:
15                 printf("28 or 29 days (depends on leap year).");
16                 break;
17
18             case 4:case 6:case 9:case 11:
19                 printf("30 days.");
20                 break;
21
22             default:
23                 printf("Invalid month number!");
24             }
25
26     return 0;
27 }
28
```

Terminal Output:

```
*G:\CODE\Uni Lab\lr-5,04324: X + -
Enter a number of the month: 14
Invalid month number!
Process returned 0 (0x0)   execution time : 1.495 s
Press any key to continue.
```

Build Messages:

```
==== Build file: "no target" in "no project" (compiler: unknown) ====
---- Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ----
```


9.alph vow con

The screenshot displays the Code::Blocks IDE with a C program for checking vowels and consonants. The program prompts the user to enter an alphabet and then checks if it is a vowel or consonant. A terminal window shows the program's execution with the input 'F' resulting in 'CONSONANT'.

```
1  #include<stdio.h>
2  int main()
3  {
4      char alph;
5      printf("Enter the alphabet of your choice: ");
6      scanf("%c",&alph);
7
8      switch(alph)
9      {
10         case 'a':case 'e':case 'i':case 'o':case 'u':
11         case 'A':case 'E':case 'I':case 'O':case 'U':
12             printf("VOWEL");
13             break;
14         default:
15             if(alph>='a'&&alph<='z' || alph>='A'&&alph<='Z')
16                 printf("CONSONANT");
17             else
18                 printf("%c isn't a alphabet",alph);
19         }
20     return 0;
21 }
22
```

Terminal Output:

```
Enter the alphabet of your choice: F
CONSONANT
Process returned 0 (0x0)   execution time : 2.860 s
Press any key to continue.
```

Logs & others:

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

Message:

```
=== Build file: "no target" in "no project" (compiler: unknown) ===
--- Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ---
```

Windows Taskbar:

- Windows (CR+LF)
- WINDOWS-1252
- Line 2, Col 11, Pos 29
- Insert
- Read/Write
- default

System Tray:

- ENG
- 10:06 PM
- 10/16/2024

10.max bet 2

The screenshot displays the Code::Blocks IDE with a C program titled "10.max bet 2.c". The program is designed to compare two numbers, `a` and `b`, using a `switch` statement. It prompts the user to "Enter two number of your choice: " and then checks if `a` is greater than `b`. If true, it prints "`a` is maximum than `b`". If false, it prints "`b` is maximum than `a`".

```
1  #include<stdio.h>
2  int main()
3  {
4      int a,b;
5      printf("Enter two number of your choice: ");
6      scanf("%d%d",&a,&b);
7      switch(a>b)
8      {
9          case 0:
10         printf("%d is maximum than %d",b,a);
11         break;
12         case 1:
13         printf("%d is maximum than %d",a,b);
14         break;
15     }
16     return 0;
17 }
```

The execution output, shown in a separate window, indicates that the user entered 33 and 44. Since 44 is greater than 33, the program correctly outputs "44 is maximum than 33". The process returned 0 (0x0) and took 2.829 seconds to execute.

Logs & others

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

Message

```
=== Build file: "no target" in "no project" (compiler: unknown) ===
=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===
```

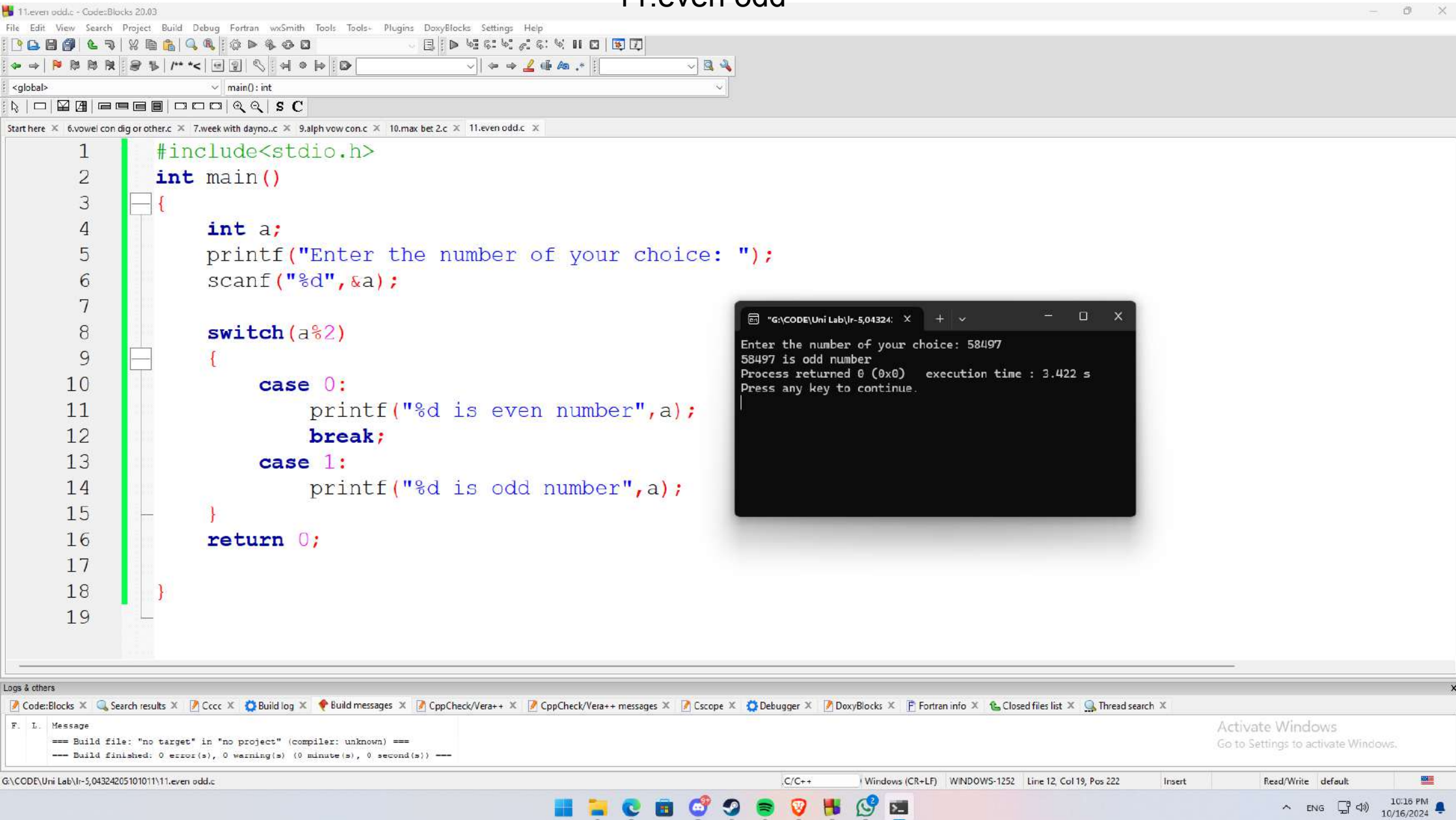
Activate Windows
Go to Settings to activate Windows.

G:\CODE\Uri Lab\Ir-5,04324205101011\10.max bet 2.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 10, Col 45, Pos 205 Insert Read/Write default

10:13 PM 10/16/2024

11.even odd



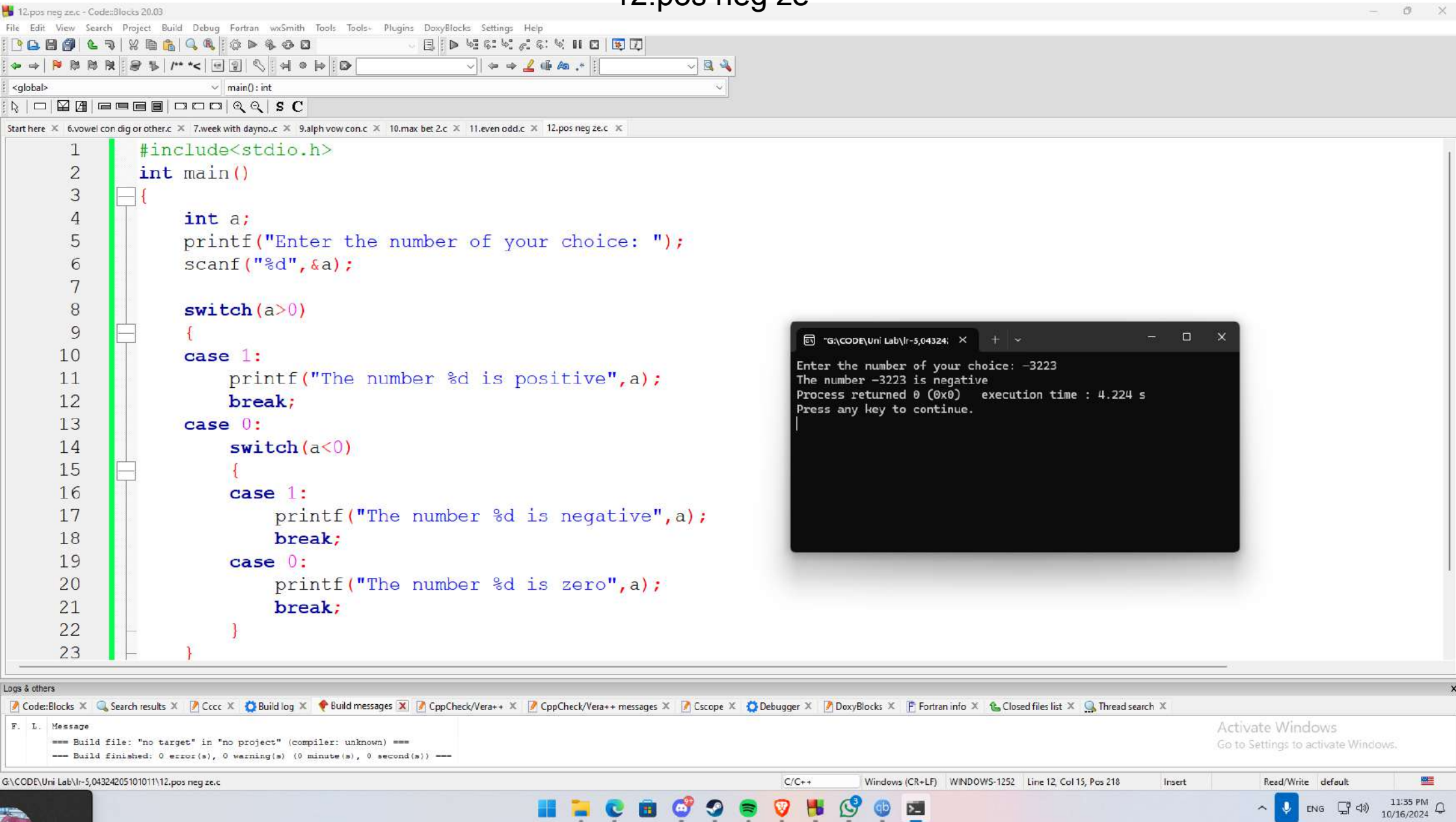
The screenshot displays the Code::Blocks IDE with a C program titled "11.even odd.c". The program's source code is as follows:

```
1  #include<stdio.h>
2  int main()
3  {
4      int a;
5      printf("Enter the number of your choice: ");
6      scanf("%d",&a);
7
8      switch(a%2)
9      {
10         case 0:
11             printf("%d is even number",a);
12             break;
13         case 1:
14             printf("%d is odd number",a);
15         }
16     return 0;
17 }
18
19
```

A terminal window titled "G:\CODE\Uni Lab\lr-5,04324:" shows the program's execution. It prompts the user to "Enter the number of your choice: 58497" and outputs "58497 is odd number". The terminal also displays "Process returned 0 (0x0) execution time : 3.422 s" and "Press any key to continue.".

The IDE's status bar at the bottom indicates the current file is "G:\CODE\Uni Lab\lr-5,04324\11.even odd.c" and the cursor is at "Line 12, Col 19, Pos 222". The Windows taskbar at the bottom shows the system clock as 10:16 PM on 10/16/2024.

12.pos neg ze



The screenshot displays the Code::Blocks IDE with a C program named `12.pos neg ze.c`. The program uses nested switch statements to check if a number is positive, negative, or zero. A terminal window shows the execution results for the input `-3223`.

```
1  #include<stdio.h>
2  int main()
3  {
4      int a;
5      printf("Enter the number of your choice: ");
6      scanf("%d",&a);
7
8      switch(a>0)
9      {
10         case 1:
11             printf("The number %d is positive",a);
12             break;
13         case 0:
14             switch(a<0)
15             {
16                 case 1:
17                     printf("The number %d is negative",a);
18                     break;
19                 case 0:
20                     printf("The number %d is zero",a);
21                     break;
22             }
23     }
```

Terminal Output:

```
Enter the number of your choice: -3223
The number -3223 is negative
Process returned 0 (0x0)   execution time : 4.224 s
Press any key to continue.
```

Build Log:

```
==== Build file: "no target" in "no project" (compiler: unknown) ====
---- Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ----
```

Windows Taskbar:

- System tray: ENG, 11:35 PM, 10/16/2024
- Taskbar icons: File Explorer, Edge, Discord, Spotify, Steam, Visual Studio Code, etc.