



Sent Mail - cprogrammingb46@gmail.com Online C Compiler WhatsApp

programmiz.com/c-programming/online-compiler/ Error

Programiz C Online Compiler Interactive C Course

main.c

```
1 #include <stdio.h>
2 int main() {
3     int n, i;
4     unsigned long long fact = 1;
5     printf("nithish 192210322");
6     printf("Enter an integer: ");
7     scanf("%d", &n);
8
9     // shows error if the user enters a negative integer
10    if (n < 0)
11        printf("Error! Factorial of a negative number doesn't exist.");
12    else {
13        for (i = 1; i <= n; ++i) {
14            fact *= i;
15        }
16        printf("Factorial of %d = %llu", n, fact);
17    }
18
19    return 0;
20 }
```

Output

/tmp/Sgxxxt3xvHn.o  
nithish 192210322Enter an integer: 1  
Factorial of 1 = 1

Clear

84°F Mostly clear

Search

22:55 28-03-2023

Sent Mail - cprogrammingb46@gmail.com | Online C Compiler | (1) WhatsApp | +

programmiz.com/c-programming/online-compiler/ Error

Programiz

C Online Compiler

Interactive C Course

Clear

main.c

```
1 #include <stdio.h>
2 int main() {
3     int year;
4     printf("nithish 192210322");
5     printf("Enter a year: ");
6     scanf("%d", &year);
7
8     // leap year if perfectly divisible by 400
9     if (year % 400 == 0) {
10         printf("%d is a leap year.", year);
11     }
12     // not a leap year if divisible by 100
13     // but not divisible by 400
14     else if (year % 100 == 0) {
15         printf("%d is not a leap year.", year);
16     }
17     // leap year if not divisible by 100
18     // but divisible by 4
19     else if (year % 4 == 0) {
20         printf("%d is a leap year.", year);
21     }
22     // all other years are not leap years
23     else {
24         printf("%d is not a leap year.", year);
25     }
26
27     return 0;
}
```

/tmp/Sgxt3xvHn.o  
nithish 192210322Enter a year: 2003  
2003 is not a leap year.

84°F Mostly clear

Search

22:37 28-03-2023

Sent Mail - cprogrammingb46@... | Sum of First N Natural Numbers | Online C Compiler | (1) WhatsApp

programmiz.com/c-programming/online-compiler/ Error

**Programiz**  
C Online Compiler

**LOOKING TO LEARN PROGRAMMING?**  
Start your programming journey with Programiz **AT NO COST.**

Interactive C Course

main.c

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int n;
6     printf("nithish 192210322");
7     printf("Enter number:");
8     scanf("%d",&n);
9     int sum=0;
10    for(int i=1;i<=n;i++)
11        sum += i;
12    printf("sum of first %d numbers is: %d",n,sum);
13    return 0;
14 }
```

Run

Output

/tmp/Sgxxxt3xvHn.o  
nithish 192210322Enter number:6  
sum of first 6 numbers is: 21

Clear

JS

-GO

php

SW

RN

84°F Mostly clear

Search

22:18 28-03-2023

The screenshot shows the Dev-C++ IDE interface with two main windows.

**Code Editor Window:** The left window displays the source code for a C program named `day1.c`. The code defines a function `floyds_triangle` that prints a Floyd's triangle of a specified number of rows. The main function reads the number of rows from the user and calls the triangle printing function.

```
1 #include <stdio.h>
2
3 void floyds_triangle(int rows)
4 {
5     int i, j, k = 1;
6     for (i = 1; i <= rows; i++)
7     {
8         for (j = 1; j <= i; j++)
9         {
10             printf("%4.d ", k++);
11         }
12         printf("\n");
13     }
14 }
15
16 int main(void)
17 {
18     int rows;
19     printf("nithish 192210322");
20     printf("Enter the number of rows: ");
21     scanf("%d", &rows);
22
23     floyds_triangle(rows);
24
25     return 0;
26 }
```

**Output Window:** The right window shows the terminal output of the program. It starts with the developer's name and ID, followed by a prompt for the number of rows. The program then prints a Floyd's triangle with 6 rows. Finally, it exits after 1.593 seconds.

```
nithish 192210322Enter the number of rows: 3
1      2      3
4      5      6
-----
Process exited after 1.593 seconds with return value 0
Press any key to continue . . . |
```

**Compiler Results:** Below the code editor, a "Compiler" tab is open, showing compilation results. It indicates 0 errors and 0 warnings, and provides details about the output file and compilation time.

Compilation results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.20c.exe
- Output Size: 129.3115234375 KiB
- Compilation Time: 0.27s

Line: 26 Col: 2 Sel: 0 Lines: 26 Length: 436 Insert Done parsing in 0.015 seconds

The screenshot shows the Dev-C++ IDE interface. On the left, the code editor displays a C program named day1.c. The code defines a main function that prints "nithish 192210322", calls a multiplyNumbers function, and prints the factorial result. It also contains a recursive multiplyNumbers function. The code editor has syntax highlighting and line numbers.

```
#include<stdio.h>
long int multiplyNumbers(int n);
int main()
{
    int n;
    printf("nithish 192210322");
    public int __cdecl printf (const char * __restrict__ _Format, ...)
    {
        _vsnprintf(_Format, _Count, _Arguments);
    }
    printf("Factorial of %d = %ld", n, multiplyNumbers(n));
    return 0;
}
long int multiplyNumbers(int n) {
    if (n>=1)
        return n*multiplyNumbers(n-1);
    else
        return 1;
}
```

On the right, the terminal window shows the execution of the program. It prompts for a positive integer, receives input "7", calculates the factorial (5040), and prints the result. The process exits after 2.705 seconds.

```
nithish 192210322Enter a positive integer: 7
Factorial of 7 = 5040
Process exited after 2.705 seconds with return value 0
Press any key to continue . . .
```

At the bottom, the status bar shows compilation results: Errors: 0, Warnings: 0, Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.18c.exe, Output Size: 129.1396484375 Kib, Compilation Time: 0.28s. The system tray shows the date and time as 3/28/2023 11:01 PM.

The screenshot shows the Dev-C++ IDE interface with two main windows. The left window is the code editor for file 'day1.c', displaying C code to generate a Fibonacci series. The right window is the terminal or output window showing the execution results.

**Code Editor (day1.c):**

```
1 #include <stdio.h>
2 int main()
3 {
4     int i, n;
5     int t1 = 0, t2 = 1;
6     int nextTerm = t1 + t2;
7     printf("Enter the number of terms: ");
8     scanf("%d", &n);
9     printf("Fibonacci Series: %d, %d, ", t1, t2);
10    for (i = 3; i <= n; ++i)
11    {
12        nextTerm = t1 + t2;
13        t1 = t2;
14        t2 = nextTerm;
15        printf("%d, ", nextTerm);
16    }
17    return 0;
18 }
```

**Output Window:**

```
C:\Users\jaswa\OneDrive\Documents\day1.14c.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Project Classes Debug day1.c day1.4c.cpp [!]day1.6c.cpp day1.8c.cpp day1.10c.cpp day1.12c.cpp day1.14c.cpp
(globals) + v TDM-GCC 4.9
C:\Users\jaswa\OneDrive\Doc + v
Enter the number of terms: 2
Fibonacci Series: 0, 1,
-----
Process exited after 2.074 seconds with return value 0
Press any key to continue . . . |
```

Below the code editor, the compiler results are displayed:

Compilation results...

```
=====
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.14c.exe
- Output Size: 128.6015625 Kib
- Compilation Time: 0.27s
```

At the bottom, the status bar shows: Line: 17 Col: 20 Sel: 0 Lines: 26 Length: 405 Insert Done parsing in 0.016 seconds. The taskbar at the very bottom includes icons for Search, File Explorer, Internet Explorer, Google Chrome, and DEV-C++.

The screenshot shows the Dev-C++ IDE interface. The top window displays the code for `day1.c`, which prints a multiplication table of 24. The code includes a prompt for the user to enter a number, which is then used as the multiplier. The output window shows the generated multiplication table from 24x1 to 24x10. The bottom window shows the compilation results, indicating 0 errors and 0 warnings, and provides details about the compiled executable file.

```
C:\Users\jaswa\OneDrive\Documents\day1.12c.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Project Classes Debug day1.c day1.4c.cpp [!]day1.6c.cpp day1.8c.cpp day1.10c.cpp day1.12c.cpp
1 #include <stdio.h>
2
3 int main()
4 {
5     int n, i;
6     printf("nithish 192210322");
7     printf("Enter a number: ");
8     scanf("%d", &n);
9     printf("Multiplication table of %d:\n", n);
10    printf("-----\n");
11    for (i = 1; i <= 10; i++)
12    {
13        printf("%d x %d = %d\n", n, i, n * i);
14    }
15 }

nithish 192210322Enter a number: 24
Multiplication table of 24:
-----
24 x 1 = 24
24 x 2 = 48
24 x 3 = 72
24 x 4 = 96
24 x 5 = 120
24 x 6 = 144
24 x 7 = 168
24 x 8 = 192
24 x 9 = 216
24 x 10 = 240
-----
Process exited after 2.942 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close
Compilation results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.12c.exe
- Output Size: 128.7705078125 Kib
- Compilation Time: 0.56s

Line: 7 Col: 32 Sel: 0 Lines: 14 Length: 334 Insert Done parsing in 0.031 seconds
10:32 PM 3/28/2023
```

C:\Users\jaswa\OneDrive\Documents\day1.8c.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9

(globals)

Project Classes Debug day1.c day1.4c.cpp [!]day1.6c.cpp day1.8c.cpp

```
1 #include <stdio.h>
2
3 int recSum(int n)
4 {
5     if (n <= 1)
6         return n;
7     else
8         return n + recSum(n - 1);
9 }
10
11 int main()
12 {
13     int n = 18;
14     printf("nithish 192210322");
15     public int __cdecl printf (const char * __restrict__ _Format, ...);
16     return 0;
17 }
```

nithish 192210322Sum = 55

Process exited after 0.01734 seconds with return value 0

Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0

- Warnings: 0

- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.8c.exe

- Output Size: 128.459609375 Kib

- Compilation Time: 0.70s

Line: 14 Col: 20 Sel: 0 Lines: 17 Length: 245 Insert Done parsing in 0.031 seconds

Search

10:11 PM 3/28/2023

C:\Users\jaswa\OneDrive\Documents\day1.6c.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug day1.c day1Ac.cpp day1fc.cpp

```
1 #include <stdio.h>
2 #include <math.h>
3 int main()
4 {
5     int low, high; //for taking user input for range
6     printf("nithish 192210322");
7     public int _cdecl printf (const char * __restrict__ _Format, ...)
8     scanf("%d", &low);
9     printf("Enter the ending value of the range: ");
10    scanf("%d", &high);
11    printf("All Armstrong numbers between %d and %d are:\n", low, high);
12    for(int n=low;n<=high;n++)
13    {
14        int num = n,rem,sum=0;
15        if(n==9)
16        {
17            printf("%d ",n);
18        }
19        else
20        {
21            int digit = (int) log10(num) + 1; //To count number of digits
22            //Calculating sum of power of digits of a number
23            while(num > 0)
24            {
25                rem = num % 10; //To find Last digit of the number
26                sum = sum + pow(rem,digit);
27                num = num / 10;
28            }
29            if (sum == n)
30            {
31            }
32        }
33    }
34 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jaswa\OneDrive\Documents\day1.6c.exe
- Output Size: 151.8994140625 KiB
- Compilation Time: 0.59s

Line: 6 Col: 30 Sel: 0 Lines: 38 Length: 1042 Insert Done parsing in 0.047 seconds

9:52 PM 3/28/2023

nithish 192210322 Enter the starting value of the range:4  
Enter the ending value of the range: 890  
All Armstrong numbers between 4 and 890 are:  
4 5 6 7 8 9 153 370 371 407  
-----  
Process exited after 2.193 seconds with return value 0  
Press any key to continue . . .

C:\Users\Admin\OneDrive\Documents\Untitled2.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug Untitled1.cpp Untitled2.cpp

```
1 #include <stdio.h>
2 #include <math.h>
3 #include <stdio.h>
4 #include <stdio.h>
5
6 int main()
7 {
8     int n, i, f1 = 0, f2 = 1, next;
9     printf("nithish 192210322");
10    public int __cdecl printf (const char * __restrict__ _Format, ...)
11        _Scanf (_Format, ...);
12
13    printf("Fibonacci Series: ");
14
15    for (i = 0; i < n; i++)
16    {
17        if (i <= 1)
18            next = i;
19        else
20        {
21            next = f1 + f2;
22            f1 = f2;
23            f2 = next;
24        }
25        printf("%d ", next);
26    }
27
28    return 0;
29 }
```

nithish 192210322Enter the number of terms:  
7  
Fibonacci Series: 0 1 1 2 3 5 8  
-----  
Process exited after 2.104 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

Abort Compilation

Shorten compiler paths

Line: 9 Col: 20 Sel: 0 Lines: 29 Length: 520 Insert Done parsing in 0.062 seconds

84°F Mostly clear

Search

10:54 PM 28-Mar-23

C:\Users\Admin\OneDrive\Documents\Untitled2.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug Untitled1.cpp Untitled2.cpp

```
1 #include <stdio.h>
2 #include <math.h>
3 #include <stdio.h>
4
5 int main() {
6     int start, end, count = 0, sum = 0;
7     printf("nithish 192210322");
8     public int _cdecl printf (const char * __restrict__ _Format, ...)
9     sum+=i;
10    printf("Enter the ending number of the range: ");
11    scanf("%d", &end);
12
13    for (int i = start; i <= end; i++) {
14        if (i % 5 == 0) {
15            count++;
16            sum += i;
17        }
18    }
19
20    printf("The number of integers divisible by 5 in the given range is: %d\n", count);
21    printf("The sum of all integers divisible by 5 in the given range is: %d\n", sum);
22
23    return 0;
24 }
```

nithish 192210322Enter the starting number of the range: 3  
Enter the ending number of the range: 2  
The number of integers divisible by 5 in the given range is: 0  
The sum of all integers divisible by 5 in the given range is: 0  
-----  
Process exited after 3.215 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

Abort Compilation

Shorten compiler paths

Line: 7 Col: 30 Sel: 0 Lines: 24 Length: 645 Insert Done parsing in 0.047 seconds

84°F Mostly clear

Search Google Chrome File Explorer Mail Settings Task View 10:30 PM 28-Mar-23

C:\Users\Admin\OneDrive\Documents\Untitled2.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug Untitled1.cpp Untitled2.cpp

```
1 #include <stdio.h>
2 #include <math.h>
3
4 int main() {
5     int number, originalNumber, remainder, result = 0, n = 0;
6     printf("nithish 192210322");
7     public int _cdecl printf (const char * __restrict__ _format, ...)
8     scanf("%d", &number);
9
10    originalNumber = number;
11
12    // count the number of digits
13    while (originalNumber != 0) {
14        originalNumber /= 10;
15        ++n;
16    }
17
18    originalNumber = number;
19
20    // calculate the sum of nth power of each digit
21    while (originalNumber != 0) {
22        remainder = originalNumber % 10;
23        result += pow(remainder, n);
24        originalNumber /= 10;
25    }
26
27    // check if the number is Armstrong or not
28    if (result == number)
29        printf("%d is an Armstrong number.\n", number);
30    else
31        printf("%d is not an Armstrong number.\n", number);
32 }
```

nithish 192210322Enter an integer: 7  
7 is an Armstrong number.

Process exited after 2.781 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\Admin\OneDrive\Documents\Untitled2.exe  
- Output Size: 151.7294921875 KiB  
- Compilation Time: 0.47s

Line: 6 Col: 30 Sel: 0 Lines: 34 Length: 835 Insert Done parsing in 0.031 seconds

84°F Mostly clear

Search Google Photos File Explorer Task View Control Panel Mail Dev Help

10:01 PM 28-Mar-23

C:\Users\Admin\OneDrive\Documents\Untitled1.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug Untitled1.cpp

```
1 #include <stdio.h>
2
3 int main() {
4     int n, i, flag = 0;
5     printf("nithish 192210322");
6     public int __cdecl printf (const char * __restrict__ _Format, ...);
7     summa ma myy,
8
9     // Check if the number is divisible by any number other than 1 and itself
10    for(i=2; i<=n/2; ++i) {
11        if(n%i == 0) {
12            flag = 1;
13            break;
14        }
15    }
16
17    if(n == 1) {
18        printf("1 is neither prime nor composite.\n");
19    }
20    else {
21        if(flag == 0)
22            printf("%d is a prime number.\n", n);
23        else
24            printf("%d is not a prime number.\n", n);
25    }
26
27    return 0;
28 }
```

nithish 192210322Enter a positive integer: 4

4 is not a prime number.

-----

Process exited after 2.414 seconds with return value 0

Press any key to continue . . . |

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0

- Warnings: 0

- Output Filename: C:\Users\Admin\OneDrive\Documents\Untitled1.exe

- Output Size: 128.7705078125 Kib

- Compilation Time: 0.16s

Line: 5 Col: 20 Sel: 0 Lines: 28 Length: 620 Insert Done parsing in 0.015 seconds

86°F Mostly clear

9:15 PM 28-Mar-23

The screenshot shows a C programming environment with the following details:

- File:** main.c
- Code:**

```
1 #include <stdio.h>
2 int fibo(int);
3
4 int main()
5 {
6     int num;
7     int result;
8     printf("Nithish 192210322");
9     printf("Enter the nth number in fibonacci series: ");
10    scanf("%d", &num);
11    if (num < 0)
12    {
13        printf("Fibonacci of negative number is not possible.\n");
14    }
15    else
16    {
17        result = fibo(num);
18        printf("The %d number in fibonacci series is %d\n", num,
19               result);
20    }
}
```
- Run Button:** A blue "Run" button is located above the output area.
- Output:**

```
/tmp/E36cvupXZF.o
Nithish 192210322Enter the nth number in fibonacci series: 18
The 18 number in fibonacci series is 2584
```
- Toolbars:** On the far left, there is a vertical toolbar with icons for various languages and tools, including C, C++, Java, Python, Go, and others.

The screenshot shows a code editor interface with a toolbar on the left containing icons for various languages and tools. The main area displays a C program named 'main.c'. The code checks if a given number is perfect. The output window shows the result of running the program with the input '2'.

```
main.c
1 #include <stdio.h>
2
3 int main()
4 {
5     int i, num, sum = 0;
6     printf("Nithish| 192210322");
7
8     printf("Enter any number to check perfect number: ");
9     scanf("%d", &num);
10
11    for(i = 1; i <= num / 2; i++)
12    {
13        if(num%i == 0)
14        {
15            sum += i;
16        }
17    }
18
19    if(sum == num && num > 0)
20    {
```

Output

```
/tmp/DKK3js7iuY.o
Nithish 192210322Enter any number to check perfect number: 2
2 is NOT PERFECT NUMBER
```

The screenshot shows a code editor interface with a dark theme. On the left is a sidebar with various icons for file operations like new, open, save, and run. The main area has tabs for 'main.c' and 'Output'. The 'main.c' tab contains the following C code:

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int i, num, sum = 0;
6     printf("Nithish|192210322");
7
8     printf("Enter any number to check perfect number: ");
9     scanf("%d", &num);
10
11    for(i = 1; i <= num / 2; i++)
12    {
13        if(num%i == 0)
14        {
15            sum += i;
16        }
17    }
18
19    if(sum == num && num > 0)
20    {
```

The 'Output' tab shows the terminal window with the following output:

```
/tmp/DKK3js7iUY.o
Nithish 192210322Enter any number to check perfect number: 2
2 is NOT PERFECT NUMBER
```