

C:\Users\user\Desktop\c++ programs\sum of n natural numbers.cpp - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

largest among three numbers.cpp length of a string.cpp multiply two numbers.cpp odd or even.cpp positive or negative.cpp prime or not.cpp reverse a number.cpp simple interest.cpp sum of n natural numbers.cpp

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int n;
6     cout << "Enter a number : ";
7     cin >> n;
8     cout << n*(n+1)/2;
9     return 0;
10 }
```

C:\Users\user\Desktop\c++ programs\sum of n natural numbers.exe

Enter a number : 9  
45  
-----  
Process exited after 5.878 seconds with return value 0  
Press any key to continue . . .

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C:\Users\user\Desktop\c++ programs\add two numbers.cpp - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

add two numbers.cpp

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int num1, num2, sum;
6     cout << "Enter the first number: ";
7     cin >> num1;
8     cout << "Enter the second number: ";
9     cin >> num2;
10    sum = num1 + num2;
11    cout << "The sum of the two numbers is: "
12    return 0;
13 }
```

```
C:\Users\user\Desktop\c++ programs\add two numbers...
Enter the first number: 5
Enter the second number: 6
The sum of the two numbers is: 11
-----
Process exited after 9.935 seconds with return value 0
Press any key to continue . . .
```

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C:\Users\user\Desktop\c++ programs\swap two numbers.cpp - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

largest among three numbers.cpp length of a string.cpp multiply two numbers.cpp odd or even.cpp positive or negative.cpp prime or not.cpp reverse a number.cpp simple interest.cpp sum of n natural numbers.cpp swap two numbers.cpp

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int a = 5, b = 10, temp;
6     cout << "Before swapping." << endl;
7     cout << "a = " << a << ", b = " << endl;
8     temp = a;
9     a = b;
10    b = temp;
11    cout << "\nAfter swapping." << endl;
12    cout << "a = " << a << ", b = " << endl;
13    return 0;
14 }
```

C:\Users\user\Desktop\c++ programs\swap two numbers.exe

```
Before swapping.
a = 5, b = 10

After swapping.
a = 10, b = 5

-----
Process exited after 0.1167 seconds with return value 0
Press any key to continue . . .
```

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C:\Users\user\Desktop\c++ programs\fibonacci.cpp - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

factorial.cpp fibonacci.cpp

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int n, t1 = 0, t2 = 1, nextTerm = 0;
6     cout << "Enter the number of terms: ";
7     cin >> n;
8     cout << "Fibonacci Series: ";
9     for (int i = 1; i <= n; ++i)
10    {
11        if(i == 1)
12        {
13            cout << t1 << ", ";
14            continue;
15        }
16        if(i == 2)
17        {
18            cout << t2 << ", ";
19            continue;
20        }
21        nextTerm = t1 + t2;
22        t1 = t2;
23        t2 = nextTerm;
24        cout << nextTerm << ", ";
25    }
26    return 0;
```

C:\Users\user\Desktop\c++ programs\fibonacci.exe

```
Enter the number of terms: 6
Fibonacci Series: 0, 1, 1, 2, 3, 5,
-----
Process exited after 5.518 seconds with return value 0
Press any key to continue . . .
```

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C:\Users\user\Desktop\c++ programs\positive or negative.cpp - [Executing] - Dev-C++ 5.11

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(globals)

largest among three numbers.cpp length of a string.cpp multiply two numbers.cpp odd or even.cpp positive or negative.cpp

```
1 #include <iostream>
2 using namespace std;
3
4 int main()
5 {
6     int n;
7     cout << "Enter the number:";
8     cin >> n;
9     if (n > 0)
10         cout << "The number is positive";
11     else if (n < 0)
12         cout << "The number is negative";
13     else
14         cout << "Zero";
15     return 0;
16 }
```

C:\Users\user\Desktop\c++ programs\positive or negative.exe

```
Enter the number:56
The number is positive
-----
Process exited after 14.91 seconds with return value 0
Press any key to continue . . .
```

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C:\Users\user\Desktop\c++ programs\prime or not.cpp - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

largest among three numbers.cpp length of a string.cpp multiply two numbers.cpp odd or even.cpp positive or negative.cpp prime or not.cpp

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int n, i, m=0, flag=0;
6     cout << "Enter the Number to check Prime: ";
7     cin >> n;
8     m=n/2;
9     for(i = 2; i <= m; i++)
10    {
11        if(n % i == 0)
12        {
13            cout<<"Number is not Prime."<<endl;
14            flag=1;
15            break;
16        }
17    }
18    if (flag==0)
19        cout << "Number is Prime."<<endl;
20    return 0;
21 }
```

C:\Users\user\Desktop\c++ programs\prime or not.exe

Enter the Number to check Prime: 7  
Number is Prime.

-----  
Process exited after 4.281 seconds with return value 0  
Press any key to continue . . .

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C:\Users\user\Desktop\c++ programs\reverse a number.cpp - [Executing] - Dev-C++ 5.11

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(globals)

largest among three numbers.cpp length of a string.cpp multiply two numbers.cpp odd or even.cpp positive or negative.cpp prime or not.cpp reverse a number.cpp

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int n, reversed_number = 0, remainder;
6     cout << "Enter an integer: ";
7     cin >> n;
8     while(n != 0)
9     {
10         remainder = n % 10;
11         reversed_number = reversed_number * 10 + remainder;
12         n /= 10;
13     }
14     cout << "Reversed Number = " << reversed_number;
15     return 0;
16 }
```

C:\Users\user\Desktop\c++ programs\reverse a number.exe

```
Enter an integer: 123456789
Reversed Number = 987654321
-----
Process exited after 7.745 seconds with return value 0
Press any key to continue . . .
```

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C:\Users\user\Desktop\c++ programs\largest among three numbers.cpp - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

factorial.cpp fibonacci.cpp largest among three numbers.cpp

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int n1, n2, n3;
6     cout << "Enter three numbers: ";
7     cin >> n1 >> n2 >> n3;
8     if(n1 >= n2 && n1 >= n3)
9         cout << "Largest number: " << n1;
10    else if(n2 >= n1 && n2 >= n3)
11        cout << "Largest number: " << n2;
12    else
13        cout << "Largest number: " << n3;
14
15    return 0;
16 }
```

C:\Users\user\Desktop\c++ programs\largest among three numbers.exe

```
Enter three numbers: 12
15
9
Largest number: 15
-----
Process exited after 8.675 seconds with return value 0
Press any key to continue . . .
```

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C:\Users\user\Desktop\c++ programs\multiply two numbers.cpp - [Executing] - Dev-C++ 5.11

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(globals)

largest among three numbers.cpp length of a string.cpp multiply two numbers.cpp

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int a, b;
6     cout << "Enter first number : ";
7     cin >> a;
8     cout << "Enter second number : ";
9     cin >> b;
10    int result = a * b;
11    cout << "Multiplication : " << result << endl;
12 }
```

C:\Users\user\Desktop\c++ programs\multiply two num...

```
Enter first number : 3
Enter second number : 6
Multiplication : 18

-----
Process exited after 4.548 seconds with return value 0
Press any key to continue . . .
```

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factorial.cpp

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int n;
6     long factorial = 1.0;
7     cout << "Enter a positive integer: ";
8     cin >> n;
9     if (n < 0)
10         cout << "Error! Factorial of a negative number
11     else
12     {
13         for(int i = 1; i <= n; ++i)
14         {
15             factorial *= i;
16         }
17         cout << "Factorial of " << n << " = " << factorial;
18     }
19     return 0;
20 }
21
```

C:\Users\user\Desktop\c++ programs\factorial.exe

```
Enter a positive integer: 5
Factorial of 5 = 120
-----
Process exited after 5.929 seconds with return value 0
Press any key to continue . . .
```

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C:\Users\user\Desktop\c++ programs\odd or even.cpp - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

largest among three numbers.cpp length of a string.cpp multiply two numbers.cpp odd or even.cpp

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int n;
6     cout << "Enter an integer: ";
7     cin >> n;
8     if ( n % 2 == 0)
9         cout << n << " is even.";
10    else
11        cout << n << " is odd.";
12    return 0;
13 }
```

C:\Users\user\Desktop\c++ programs\odd or even.exe

```
Enter an integer: 15
15 is odd.
-----
Process exited after 4.903 seconds with return value 0
Press any key to continue . . .
```

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C:\Users\user\Desktop\c++ programs\length of a string.cpp - [Executing] - Dev-C++ 5.11

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(globals)

largest among three numbers.cpp length of a string.cpp

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     char str[] = "orange";
6     int count = 0;
7     while (str[count] != '\0')
8     count++;
9     cout<<"The string is "<<str<<endl;
10    cout <<"The length of the string is "<<count;
11    return 0;
12 }
```

C:\Users\user\Desktop\c++ programs\length of a string.exe

The string is orange  
The length of the string is 6

-----  
Process exited after 0.07008 seconds with return value 0  
Press any key to continue . . .

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