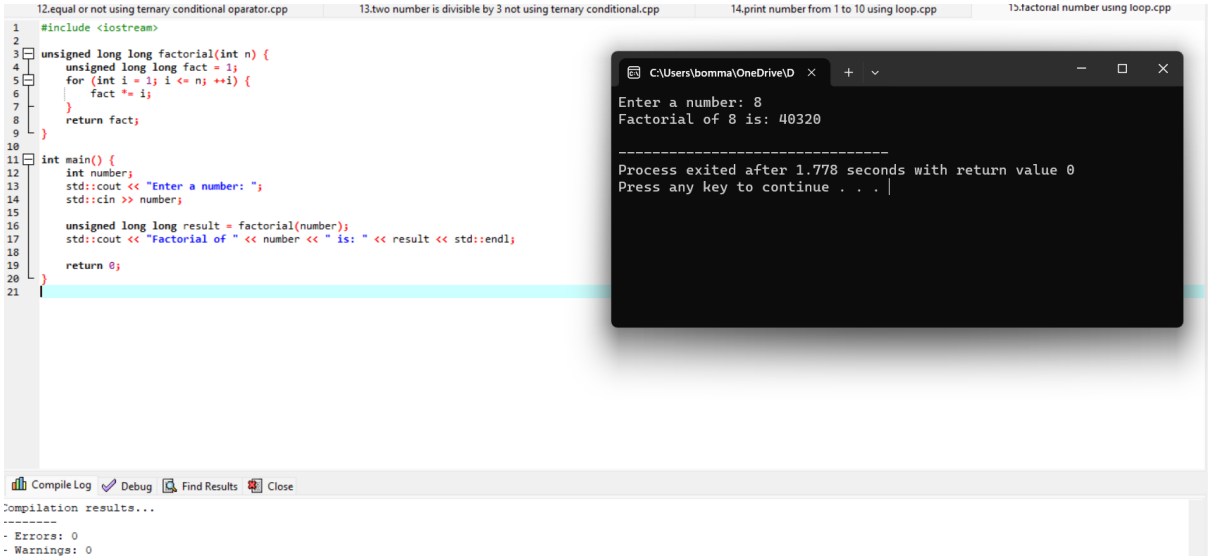
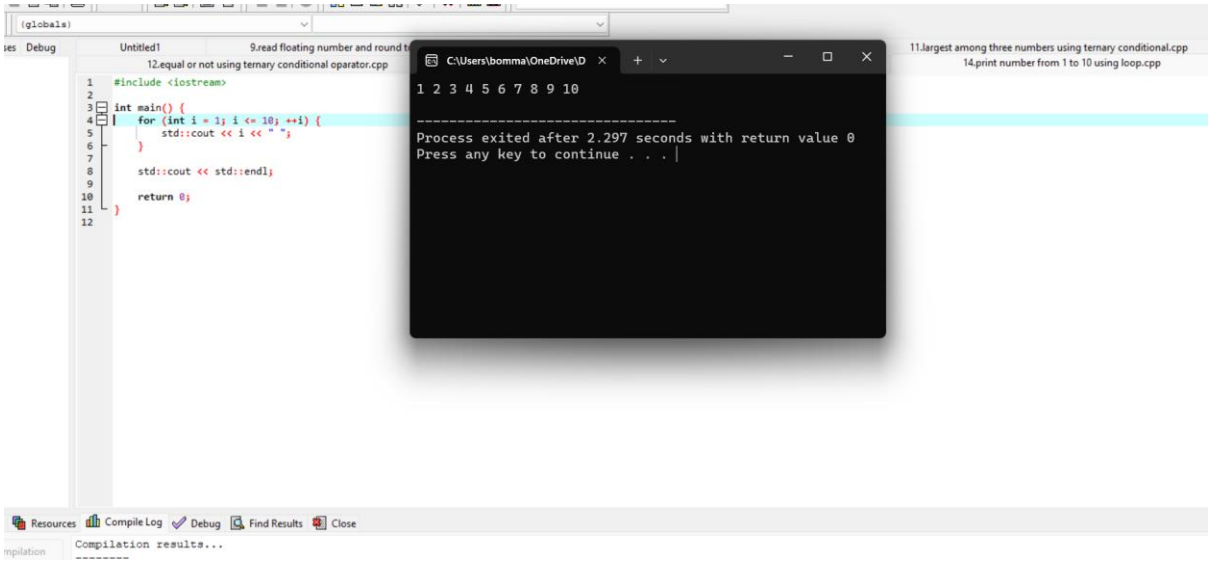
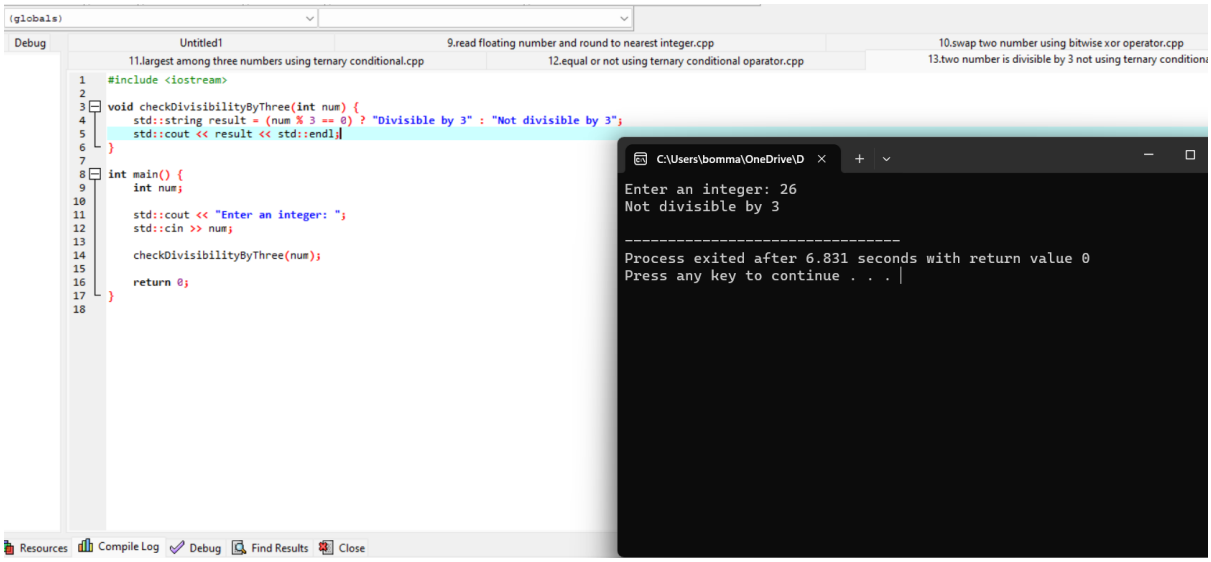
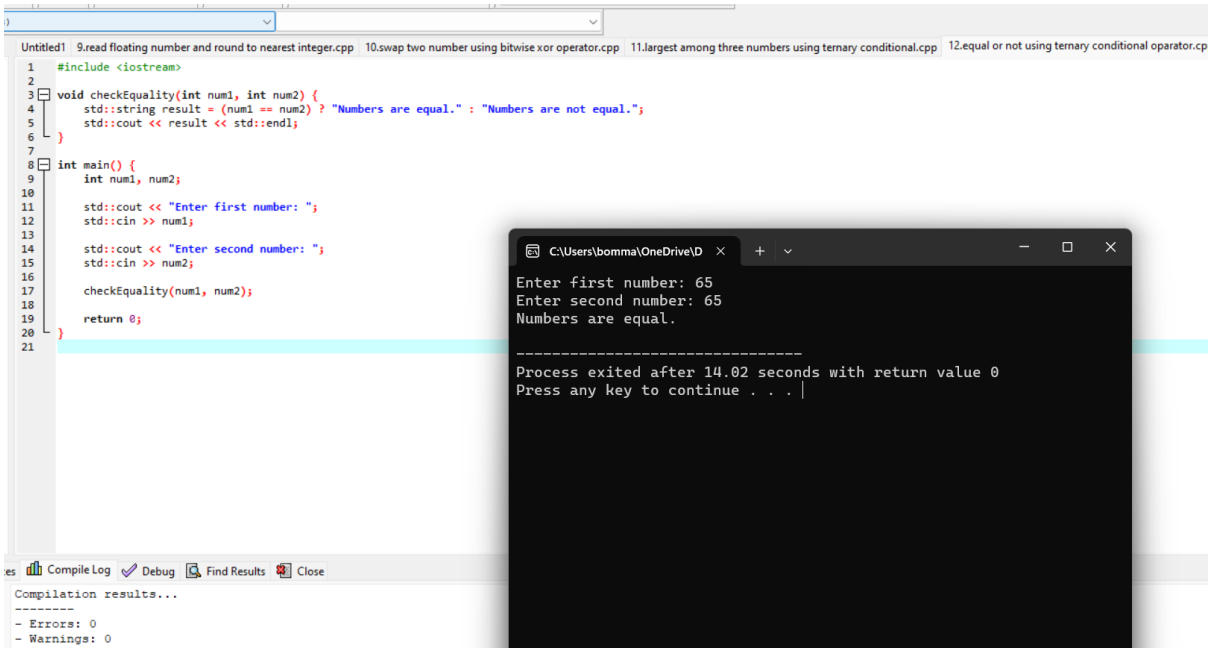
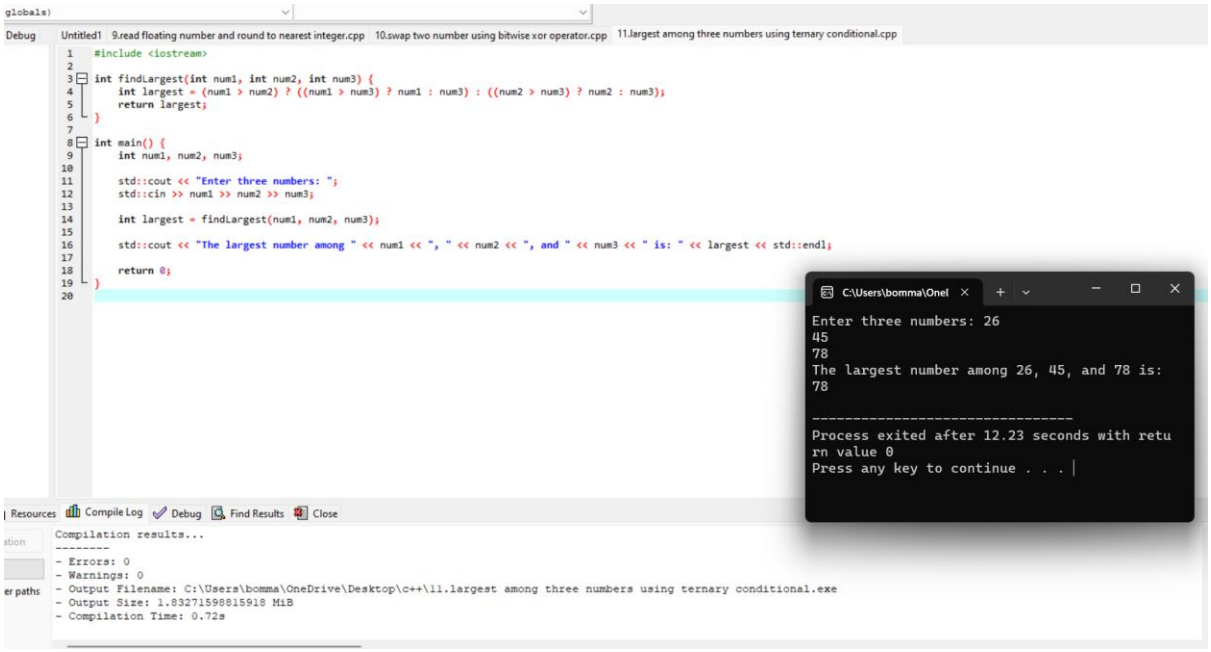
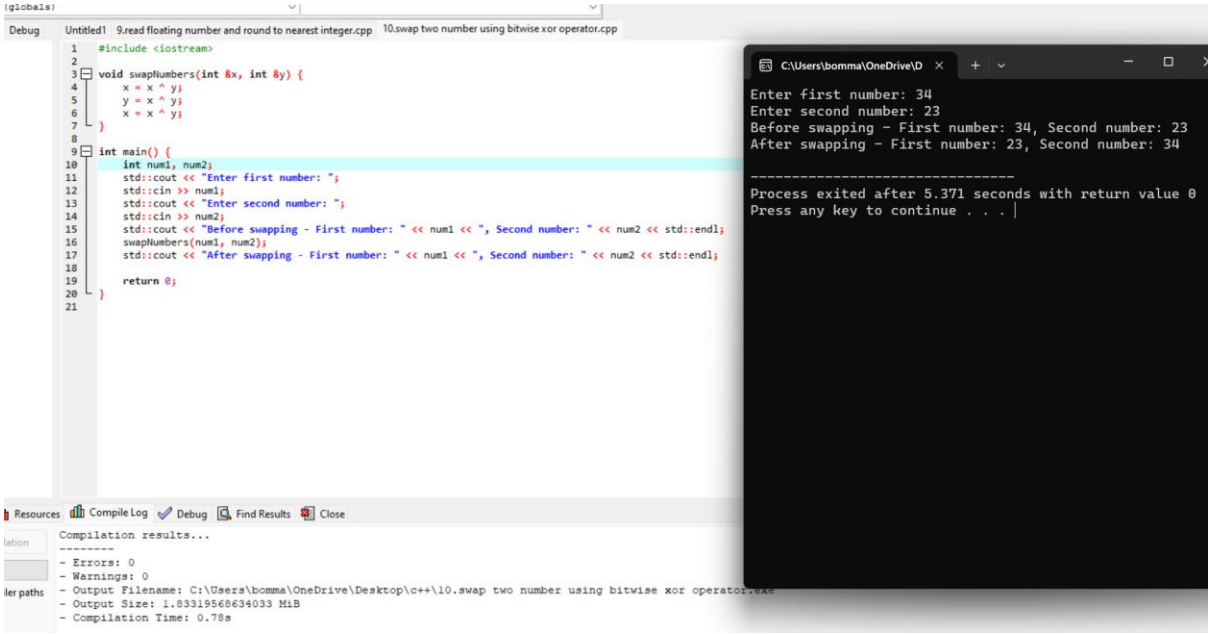

12.equal or not using ternary conditional oparator.cpp
13.two number is divisible by 3 not using ternary conditional.cpp
14.print number from 1 to 10 using loop.cpp
15.factorial number using loop.cpp
#include <iostream>
unsigned long long factorial(int n) {
unsigned long long fact = 1;
for (int i = 1; i <= n; ++i) {
fact *= i;
}
return fact;
}
int main() {
int number;
std::cout << "Enter a number: ";
std::cin >> number;
unsigned long long result = factorial(number);
std::cout << "Factorial of " << number << " is: " << result << std::endl;
return 0;
}
C:\Users\bomma\OneDrive\D
Enter a number: 8
Factorial of 8 is: 40320
Process exited after 1.778 seconds with return value 0
Press any key to continue . . .
Compile Log
Debug
Find Results
Close
Compilation results...
- Errors: 0
- Warnings: 0

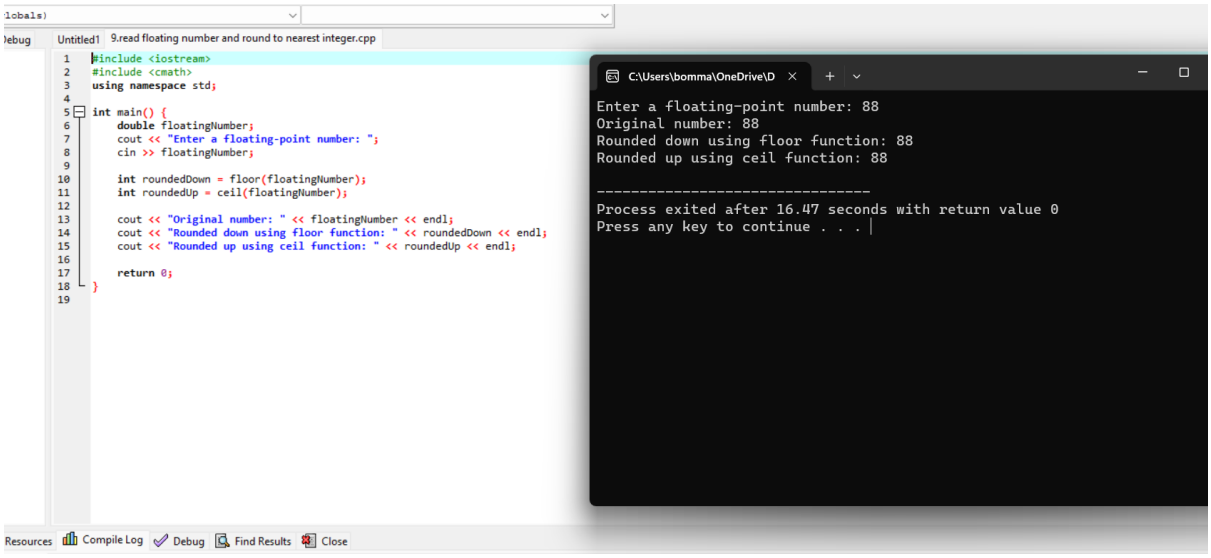

(globals)
Untitled1
9.read floating number and round t
11.largest among three numbers using ternary conditional.cpp
12.equal or not using ternary conditional oparator.cpp
14.print number from 1 to 10 using loop.cpp
#include <iostream>
int main() {
for (int i = 1; i <= 10; ++i) {
std::cout << i << " ";
}
std::cout << std::endl;
return 0;
}
C:\Users\bomma\OneDrive\D
1 2 3 4 5 6 7 8 9 10
Process exited after 2.297 seconds with return value 0
Press any key to continue . . .
Resources
Compile Log
Debug
Find Results
Close
Compilation results...


(globals)
Debug
Untitled1
9.read floating number and round to nearest integer.cpp
10.swap two number using bitwise xor operator.cpp
11.largest among three numbers using ternary conditional.cpp
12.equal or not using ternary conditional oparator.cpp
13.two number is divisible by 3 not using ternary conditiona
#include <iostream>
void checkDivisibilityByThree(int num) {
std::string result = (num % 3 == 0) ? "Divisible by 3" : "Not divisible by 3";
std::cout << result << std::endl;
}
int main() {
int num;
std::cout << "Enter an integer: ";
std::cin >> num;
checkDivisibilityByThree(num);
return 0;
}
C:\Users\bomma\OneDrive\D
Enter an integer: 26
Not divisible by 3
Process exited after 6.831 seconds with return value 0
Press any key to continue . . .
Resources
Compile Log
Debug
Find Results
Close

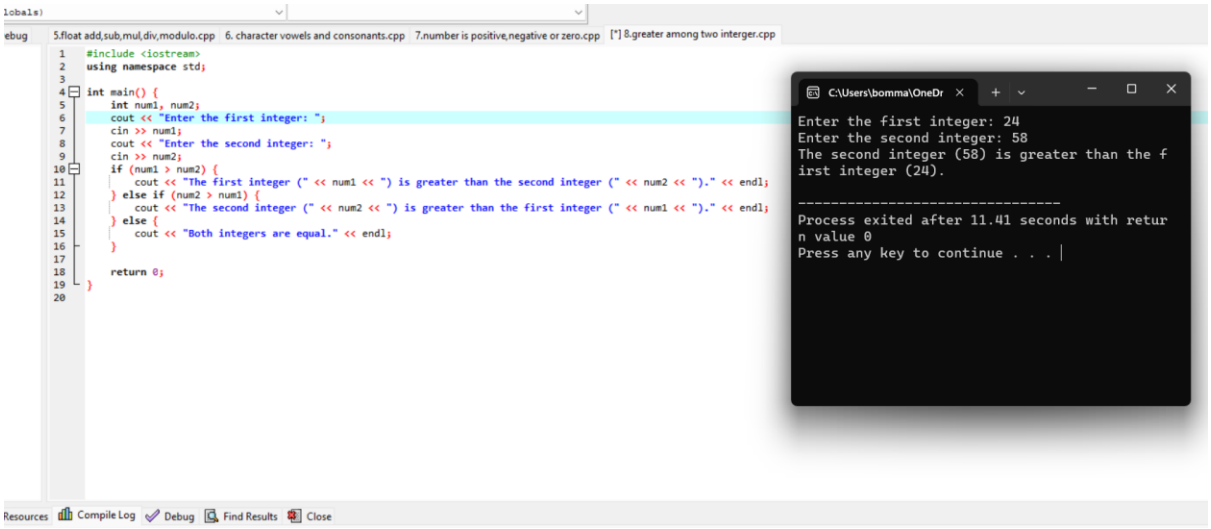

Untitled1
9.read floating number and round to nearest integer.cpp
10.swap two number using bitwise xor operator.cpp
11.largest among three numbers using ternary conditional.cpp
12.equal or not using ternary conditional oparator.cp
#include <iostream>
void checkEquality(int num1, int num2) {
std::string result = (num1 == num2) ? "Numbers are equal." : "Numbers are not equal.";
std::cout << result << std::endl;
}
int main() {
int num1, num2;
std::cout << "Enter first number: ";
std::cin >> num1;
std::cout << "Enter second number: ";
std::cin >> num2;
checkEquality(num1, num2);
return 0;
}
C:\Users\bomma\OneDrive\D
Enter first number: 65
Enter second number: 65
Numbers are equal.
Process exited after 14.02 seconds with return value 0
Press any key to continue . . .
Compile Log
Debug
Find Results
Close
Compilation results...
- Errors: 0
- Warnings: 0


Debug
Untitled1
9.read floating number and round to nearest integer.cpp
10.swap two number using bitwise xor operator.cpp
11.largest among three numbers using ternary conditional.cpp
#include <iostream>
int findLargest(int num1, int num2, int num3) {
int largest = (num1 > num2) ? ((num1 > num3) ? num1 : num3) : ((num2 > num3) ? num2 : num3);
return largest;
}
int main() {
int num1, num2, num3;
std::cout << "Enter three numbers: ";
std::cin >> num1 >> num2 >> num3;
int largest = findLargest(num1, num2, num3);
std::cout << "The largest number among " << num1 << ", " << num2 << ", and " << num3 << " is: " << largest << std::endl;
return 0;
}
C:\Users\bomma\Onel
Enter three numbers: 26
45
78
The largest number among 26, 45, and 78 is:
78
Process exited after 12.23 seconds with retu
rn value 0
Press any key to continue . . .
Resources
Compile Log
Debug
Find Results
Close
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\bomma\OneDrive\Desktop\c++\11.largest among three numbers using ternary conditional.exe
- Output Size: 1.83271598815918 MiB
- Compilation Time: 0.72s


Debug
Untitled1
9.read floating number and round to nearest integer.cpp
10.swap two number using bitwise xor operator.cpp
#include <iostream>
void swapNumbers(int &x, int &y) {
x = x ^ y;
y = x ^ y;
x = x ^ y;
}
int main() {
int num1, num2;
std::cout << "Enter first number: ";
std::cin >> num1;
std::cout << "Enter second number: ";
std::cin >> num2;
std::cout << "Before swapping - First number: " << num1 << ", Second number: " << num2 << std::endl;
swapNumbers(num1, num2);
std::cout << "After swapping - First number: " << num1 << ", Second number: " << num2 << std::endl;
return 0;
}
C:\Users\bomma\OneDrive\D
Enter first number: 34
Enter second number: 23
Before swapping - First number: 34, Second number: 23
After swapping - First number: 23, Second number: 34
Process exited after 5.371 seconds with return value 0
Press any key to continue . . .
Resources
Compile Log
Debug
Find Results
Close
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\bomma\OneDrive\Desktop\c++\10.swap two number using bitwise xor operator.exe
- Output Size: 1.83319568634033 MiB
- Compilation Time: 0.78s


Untitled1
9.read floating number and round to nearest integer.cpp
#include <iostream>
#include <cmath>
using namespace std;
int main() {
double floatingNumber;
cout << "Enter a floating-point number: ";
cin >> floatingNumber;
int roundedDown = floor(floatingNumber);
int roundedUp = ceil(floatingNumber);
cout << "Original number: " << floatingNumber << endl;
cout << "Rounded down using floor function: " << roundedDown << endl;
cout << "Rounded up using ceil function: " << roundedUp << endl;
return 0;
}
C:\Users\bomma\OneDrive\D
Enter a floating-point number: 88
Original number: 88
Rounded down using floor function: 88
Rounded up using ceil function: 88
Process exited after 16.47 seconds with return value 0
Press any key to continue . . .
Resources
Compile Log
Debug
Find Results
Close


(globals)
Debug
Untitled1
9.read floating number and round to nearest integer.cpp
#include <iostream>
#include <cmath>
using namespace std;
int main() {
double floatingNumber;
cout << "Enter a floating-point number: ";
cin >> floatingNumber;
int roundedDown = floor(floatingNumber);
int roundedUp = ceil(floatingNumber);
C:\Users\bomma\OneDrive\D
Enter a floating-point number: 88
Original number: 88
Rounded down using floor function: 88
Rounded up using ceil function: 88


5.float add,sub,mul,div,modulo.cpp
6. character vowels and consonants.cpp
7.number is positive,negative or zero.cpp
[*] 8.greater among two interger.cpp
#include <iostream>
using namespace std;
int main() {
int num1, num2;
cout << "Enter the first integer: ";
cin >> num1;
cout << "Enter the second integer: ";
cin >> num2;
if (num1 > num2) {
cout << "The first integer (" << num1 << ") is greater than the second integer (" << num2 << ")." << endl;
} else if (num2 > num1) {
cout << "The second integer (" << num2 << ") is greater than the first integer (" << num1 << ")." << endl;
} else {
cout << "Both integers are equal." << endl;
}
return 0;
}
C:\Users\bomma\OneDr
Enter the first integer: 24
Enter the second integer: 58
The second integer (58) is greater than the f
irst integer (24).
Process exited after 11.41 seconds with retur
n value 0
Press any key to continue . . .
Resources
Compile Log
Debug
Find Results
Close

```cpp
#include <iostream>
using namespace std;

int main() {
    double number;

    // Input a number from the user
    cout << "Enter a number: ";
    cin >> number;

    // Check if the number is positive, negative, or zero
    if (number > 0) {
        cout << "The entered number is positive." << endl;
    } else if (number < 0) {
        cout << "The entered number is negative." << endl;
    } else {
        cout << "The entered number is zero." << endl;
    }

    return 0;
}
```

```
C:\Users\bomma\OneDrive\D
Enter a number: -55
The entered number is negative.

--------------------------------
Process exited after 4.514 seconds with return value 0
Press any key to continue . . .
```

```cpp
#include <iostream>
using namespace std;

int main() {
    char ch;
    cout << "Enter a character: ";
    cin >> ch;
    if ((ch >= 'a' && ch <= 'z') || (ch >= 'A' && ch <= 'Z')) {
        ch = toupper(ch);
        if (ch == 'A' || ch == 'E' || ch == 'I' || ch == 'O' || ch == 'U') {
            cout << "The entered character '" << ch << "' is a vowel." << endl;
        } else {
            cout << "The entered character '" << ch << "' is a consonant." << endl;
        }
    } else {
        cout << "Invalid input. Please enter an alphabet." << endl;
    }

    return 0;
}
```

```
C:\Users\bomma\OneDrive\D
Enter a character: elephant
The entered character 'E' is a vowel.

--------------------------------
Process exited after 13.47 seconds with return value 0
Press any key to continue . . .
```

```cpp
#include <cmath>
using namespace std;

int main() {
    float num1, num2;
    cout << "Enter first floating-point number: ";
    cin >> num1;
    cout << "Enter second floating-point number: ";
    cin >> num2;
    float sum = num1 + num2;
    cout << "Addition: " << num1 << " + " << num2 << " = " << sum << endl;

    float diff = num1 - num2;
    cout << "Subtraction: " << num1 << " - " << num2 << " = " << diff << endl;

    float product = num1 * num2;
    cout << "Multiplication: " << num1 << " * " << num2 << " = " << product << endl;

    if (num2 != 0) {
        float quotient = num1 / num2;
        cout << "Division: " << num1 << " / " << num2 << " = " << quotient << endl;
    } else {
        cout << "Division by zero is undefined." << endl;
    }

    if (num2 != 0) {
        float mod = fmod(num1, num2);
        cout << "Modulo: " << num1 << " % " << num2 << " = " << mod << endl;
    } else {
        cout << "Modulo by zero is undefined." << endl;
    }

    return 0;
}
```

```
C:\Users\bomma\OneDrive\D
Enter first floating-point number: 25
Enter second floating-point number: 67
Addition: 25 + 67 = 92
Subtraction: 25 - 67 = -42
Multiplication: 25 * 67 = 1675
Division: 25 / 67 = 0.373134
Modulo: 25 % 67 = 25

--------------------------------
Process exited after 10.04 seconds with return value 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
```

```cpp
#include <iostream>
using namespace std;

int findSmallestMissingElement(int arr[], int size) {
    int missingElement = 1;
    for (int i = 0; i < size; i++) {
        if (arr[i] == missingElement) {
            missingElement++;
        }
    }
    return missingElement;
}
int main() {
    int size;
    cout << "Enter the size of the array: ";
    cin >> size;
    int arr[size];
    cout << "Enter the sorted natural numbers array:" << endl;
    for (int i = 0; i < size; i++) {
        cin >> arr[i];
    }
    int smallestMissingElement = findSmallestMissingElement(arr, size);


    cout << "The smallest missing element is: " << smallestMissingElement << endl;
    return 0;
}
```

```
C:\Users\bomma\OneDrive\D
Enter the size of the array: 10
Enter the sorted natural numbers array:
1
3
4
5
6
7
8
9
10
11
The smallest missing element is: 2

--------------------------------
Process exited after 54.29 seconds with return value 0
Press any key to continue . . .
```

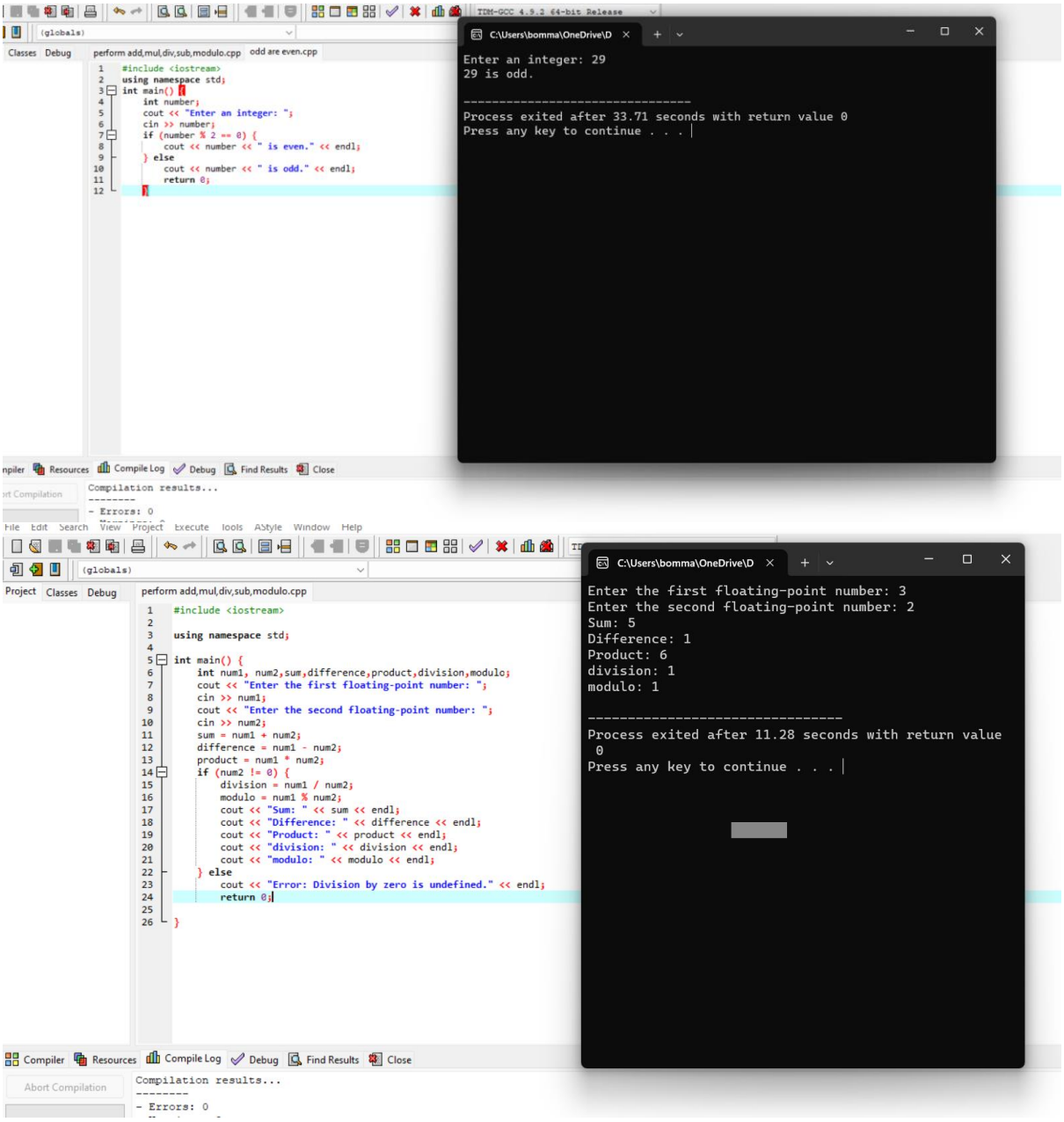
```cpp
#include <iostream>
using namespace std;
int main() {
    int num1, num2;
    cout << "Enter the first number: ";
    cin >> num1;
    cout << "Enter the second number: ";
    cin >> num2;
    if (num1 == num2) {
        cout << "The numbers are equal." << endl;
    } else
        cout << "The numbers are not equal." << endl;

}
```

```
C:\Users\bomma\OneDrive\D
Enter the first number: 9
Enter the second number: 8
The numbers are not equal.

--------------------------------
Process exited after 48.22 seconds with return value 0
Press any key to continue . . .
```

```cpp
#include <iostream>
using namespace std;
int main() {
    int num1, num2, num3;
    cout << "Enter the first integer: ";
    cin >> num1;
    cout << "Enter the second integer: ";
    cin >> num2;
    cout << "Enter the third integer: ";
    cin >> num3;
    int average = (num1 + num2 + num3)/3;
    cout << "The average of " << num1 << ", " << num2 << ", and " << num3 << " is: " << average << endl;
    return 0;
}
```

```
C:\Users\bomma\OneDrive\D
Enter the first integer: 25
Enter the second integer: 21
Enter the third integer: 23
The average of 25, 21, and 23 is: 23

--------------------------------
Process exited after 16.57 seconds with return valu
e 0
Press any key to continue . . .
```

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\bomma\OneDrive\Desktop\c++\avreage of three integers.exe
- Output Size: 1.83263778686523 MiB
```


Classes Debug
perform add,mul,div,sub,modulo.cpp
odd are even.cpp
#include <iostream>
using namespace std;
int main() {
int number;
cout << "Enter an integer: ";
cin >> number;
if (number % 2 == 0) {
cout << number << " is even." << endl;
} else
cout << number << " is odd." << endl;
return 0;
}
C:\Users\bomma\OneDrive\D
Enter an integer: 29
29 is odd.
Process exited after 33.71 seconds with return value 0
Press any key to continue . . .
Compile Log
Debug
Find Results
Close
Compilation results...
- Errors: 0

Project Classes Debug
perform add,mul,div,sub,modulo.cpp
#include <iostream>
using namespace std;
int main() {
int num1, num2,sum,difference,product,division,modulo;
cout << "Enter the first floating-point number: ";
cin >> num1;
cout << "Enter the second floating-point number: ";
cin >> num2;
sum = num1 + num2;
difference = num1 - num2;
product = num1 * num2;
if (num2 != 0) {
division = num1 / num2;
modulo = num1 % num2;
cout << "Sum: " << sum << endl;
cout << "Difference: " << difference << endl;
cout << "Product: " << product << endl;
cout << "division: " << division << endl;
cout << "modulo: " << modulo << endl;
} else
cout << "Error: Division by zero is undefined." << endl;
return 0;
}
C:\Users\bomma\OneDrive\D
Enter the first floating-point number: 3
Enter the second floating-point number: 2
Sum: 5
Difference: 1
Product: 6
division: 1
modulo: 1
Process exited after 11.28 seconds with return value 0
Press any key to continue . . .
Compiler
Resources
Compile Log
Debug
Find Results
Close
Abort Compilation
Compilation results...
- Errors: 0