C:\Users\mahic\OneDrive\Desktop\c++\pascal triangle.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

abundant number.cpp | narcissistic number.cpp | pattern - digits.cpp | star pattern.cpp | pascal triangle.cpp

```cpp
#include <iostream>
unsigned long long factorial(int n) {
    if (n == 0 || n == 1)
        return 1;
    else
        return n * factorial(n - 1);
}
unsigned long long combination(int n, int k) {
    return factorial(n) / (factorial(k) * factorial(n - k));
}
int main() {
    int rows;
    std::cout << "Enter number of rows for Pascal's Triangle: ";
    std::cin >> rows;
    for (int i = 0; i < rows; ++i) {
        for (int j = 0; j < rows - i - 1; ++j) {
            std::cout << " ";
        }
        for (int j = 0; j <= i; ++j) {
            std::cout << combination(i, j) << " ";
        }
        std::cout << std::endl;
    }
    return 0;
}

```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\pascal triangle.exe
- Output Size: 1.83318996429443 MiB
- Compilation Time: 0.72s
```

Line: 23 Col: 6 Sel: 0 Lines: 26 Length: 681 Insert Done parsing in 0.016 seconds

C:\Users\mahic\OneDri

```
Enter number of rows for Pascal's Triangle: 4
   1
  1 1
 1 2 1
1 3 3 1

--------------------------------
Process exited after 5.384 seconds with return v
alue 0
Press any key to continue . . .
```

32°C Haze

Search

ENG IN

20:09 05-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\star pattern.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

abundant number.cpp | narcissistic number.cpp | pattern - digits.cpp | star pattern.cpp

```cpp
#include <iostream>
int main() {
    int rows;
    std::cout << "Enter number of rows for the pattern: ";
    std::cin >> rows;
    for (int i = 1; i <= rows; ++i) {
        for (int j = 1; j <= i; ++j) {
            std::cout << "*";
        }
        std::cout << std::endl;
    }
    return 0;
}

```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\star pattern.ex
- Output Size: 1.83260917663574 MiB
- Compilation Time: 0.66s
```

Line: 11 Col: 6 Sel: 0 Lines: 14 Length: 314 Insert Done parsing in 0 seconds

C:\Users\mahic\OneDri

```
Enter number of rows for the pattern: 5
*
**
***
****
*****

--------------------------------
Process exited after 3.223 seconds with return v
alue 0
Press any key to continue . . .
```

32°C Haze

Search

ENG IN

20:06 05-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\pattern - digits.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

abundant number.cpp | narcissistic number.cpp | pattern - digits.cpp

```cpp
#include <iostream>

int main() {
    int rows;

    std::cout << "Enter the number of rows: ";
    std::cin >> rows;

    for (int i = 1; i <= rows; ++i) {
        for (int j = 1; j <= i; ++j) {
            std::cout << i;
        }
        std::cout << std::endl;
    }

    return 0;
}
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\pattern - digits
- Output Size: 1.83262920379639 MiB
- Compilation Time: 0.70s
```

Line: 18 Col: 1 Sel: 0 Lines: 18 Length: 308 Insert Done parsing in 0.016 seconds

C:\Users\mahic\OneDri

```
Enter the number of rows: 5
1
22
333
4444
55555

--------------------------------
Process exited after 3.644 seconds with return v
alue 0
Press any key to continue . . .
```

32°C Haze

Search

ENG IN

20:04 05-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\narcissistic number.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug

abundant number.cpp narcissistic number.cpp

```
12      int originalNumber = number;
13      int numDigits = countDigits(number);
14      int sum = 0;
15
16      while (number != 0) {
17          int digit = number % 10;
18          sum += pow(digit, numDigits);
19          number /= 10;
20      }
21
22      return sum == originalNumber;
23  }
24
25  int main() {
26      int num;
27
28      std::cout << "Enter a number: ";
29      std::cin >> num;
30
31      if (isNarcissistic(num)) {
32          std::cout << num << " is a narcissistic number." << std::endl;
33      } else {
34          std::cout << num << " is not a narcissistic number." << std::endl;
35      }
36
37      return 0;
38  }
39
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\narcissistic  numbe
- Output Size: 1.85513305664063 MiB
- Compilation Time: 0.67s
```

Line: 2 Col: 17 Sel: 0 Lines: 39 Length: 805 Insert Done parsing in 0 seconds

C:\Users\mahic\OneDri

```
Enter a number: 10
10 is not a narcissistic number.

--------------------------------
Process exited after 2.852 seconds with return v
alue 0
Press any key to continue . . .
```

32°C Haze

Search

ENG IN

20:03 05-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\abundant number.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

happy number.cpp | strong number.cpp | buzz number.cpp | neon number.cpp | abundant number.cpp

```cpp
#include <iostream>
using namespace std;
int sumOfProperDivisors(int number) {
    int sum = 0;
    for (int i = 1; i <= number / 2; ++i) {
        if (number % i == 0) {
            sum += i;
        }
    }
    return sum;
}
bool isAbundantNumber(int number) {
    int sum = sumOfProperDivisors(number);
    return (sum > number);
}
int main() {
    int number;
    cout << "Enter a number: ";
    cin >> number;
    if (isAbundantNumber(number)) {
        cout << number << " is an abundant number." << endl;
    } else {
        cout << number << " is not an abundant number." << endl;
    }
    return 0;
}

```

C:\Users\mahic\OneDri

```
Enter a number: 15
15 is not an abundant number.

--------------------------------
Process exited after 3.344 seconds with return v
alue 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\abundant number.exe
- Output Size: 1.83272647857666 MiB
- Compilation Time: 0.94s
```

Line: 24 Col: 6 Sel: 0 Lines: 27 Length: 640 Insert Done parsing in 0 seconds

32°C Haze

Search

ENG IN

20:01 05-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\neon number.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

happy number.cpp | strong number.cpp | buzz number.cpp | neon number.cpp

```cpp
#include <iostream>
using namespace std;
int sumOfDigits(int number) {
    int sum = 0;
    while (number > 0) {
        sum += number % 10;
        number /= 10;
    }
    return sum;
}
bool isNeonNumber(int number) {
    int square = number * number;
    int sum = sumOfDigits(square);
    return (sum == number);
}
int main() {
    int number;
    cout << "Enter a number: ";
    cin >> number;
    if (isNeonNumber(number)) {
        cout << number << " is a neon number." << endl;
    } else {
        cout << number << " is not a neon number." << endl;
    }
    return 0;
}

```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\neon number.exe
- Output Size: 1.832688331604 MiB
- Compilation Time: 0.70s
```

Line: 24 Col: 6 Sel: 0 Lines: 27 Length: 609 Insert Done parsing in 0.015 seconds

C:\Users\mahic\OneDri

```
Enter a number: 4
4 is not a neon number.

--------------------------------
Process exited after 2.694 seconds with return v
alue 0
Press any key to continue . . .
```

32°C Haze

Search

ENG IN

19:59 05-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\buzz number.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug

happy number.cpp strong number.cpp buzz number.cpp

```cpp
#include <iostream>
using namespace std;
bool isBuzzNumber(int number) {
    return (number % 7 == 0 || number % 10 == 7);
}
int main() {
    int number;
    cout << "Enter a number: ";
    cin >> number;
    if (isBuzzNumber(number)) {
        cout << number << " is a buzz number." << endl;
    } else {
        cout << number << " is not a buzz number." << endl;
    }
    return 0;
}

```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\buzz number.
- Output Size: 1.83265590667725 MiB
- Compilation Time: 0.86s
```

Line: 14 Col: 6 Sel: 0 Lines: 17 Length: 406 Insert Done parsing in 0.016 seconds

C:\Users\mahic\OneDri

```
Enter a number: 4
4 is not a buzz number.

--------------------------------
Process exited after 3.045 seconds with return v
alue 0
Press any key to continue . . .
```

32°C Haze

Search

ENG IN

19:58 05-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\strong number.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

happy number.cpp strong number.cpp

```
2   using namespace std;
3   int factorial(int n) {
4       if (n <= 1)
5           return 1;
6       return n * factorial(n - 1);
7   }
8   bool isStrong(int number) {
9       int originalNumber = number;
10      int sum = 0;
11      while (number > 0) {
12          int digit = number % 10;
13          sum += factorial(digit);
14          number /= 10;
15      }
16      return (sum == originalNumber);
17  }
18  int main() {
19      int number;
20      cout << "Enter a number: ";
21      cin >> number;
22      if (isStrong(number)) {
23          cout << number << " is a strong number." << endl;
24      } else {
25          cout << number << " is not a strong number." << endl;
26      }
27      return 0;
28  }
29
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\strong number.exe
- Output Size: 1.83316612243652 MiB
- Compilation Time: 1.03s
```

Line: 26 Col: 6 Sel: 0 Lines: 29 Length: 661 Insert Done parsing in 0 seconds

C:\Users\mahic\OneDri

```
Enter a number: 15
15 is not a strong number.

--------------------------------
Process exited after 3.05 seconds with return va
lue 0
Press any key to continue . . .
```

32°C Haze

Search

ENG IN

19:56 05-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\harshad number.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug

perfect number.cpp armstrong number.cpp harshad number.cpp

```cpp
#include <iostream>
using namespace std;
bool isHarshad(int number) {
    int originalNumber = number;
    int sumOfDigits = 0;
    while (number > 0) {
        sumOfDigits += number % 10;
        number /= 10;
    }
    return (originalNumber % sumOfDigits == 0);
}
int main() {
    int number;
    cout << "Enter a number: ";
    cin >> number;
    if (isHarshad(number)) {
        cout << number << " is a Harshad number." << endl;
    } else {
        cout << number << " is not a Harshad number." << endl;
    }
    return 0;
}
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\harshad number.exe
- Output Size: 1.83264827728271 MiB
- Compilation Time: 0.89s
```

Line: 20 Col: 6 Sel: 0 Lines: 23 Length: 557 Insert Done parsing in 0 seconds

C:\Users\mahic\OneDri

```
Enter a number:

10
10 is a Harshad number.

--------------------------------
Process exited after 8.444 seconds with return v
alue 0
Press any key to continue . . .
```

ESP - GER
In 2 hours

Search

ENG
IN

19:50
05-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\armstrong number.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug

perfect number.cpp armstrong number.cpp

```
7       int numberOfDigits = 0;
8       int temp = number;
9       while (temp > 0) {
10          temp /= 10;
11          numberOfDigits++;
12      }
13      temp = number;
14      while (temp > 0) {
15          int digit = temp % 10;
16          sum += pow(digit, numberOfDigits);
17          temp /= 10;
18      }
19      return (sum == originalNumber);
20  }
21  int main() {
22      int number;
23      cout << "Enter a number: ";
24      cin >> number;
25      if (isArmstrong(number)) {
26          cout << number << " is an Armstrong number." << endl;
27      } else {
28          cout << number << " is not an Armstrong number." << endl;
29      }
30      return 0;
31  }
32
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\armstrong numb
- Output Size: 1.8558235168457 MiB
- Compilation Time: 0.86s
```

Line: 29 Col: 6 Sel: 0 Lines: 32 Length: 752 Insert Done parsing in 0.047 seconds

C:\Users\mahic\OneDri

```
Enter a number: 153
153 is an Armstrong number.

--------------------------------
Process exited after 5.043 seconds with return v
alue 0
Press any key to continue . . .
```

CAD/INR -0.22%

Search

ENG IN

19:48 05-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\gcd.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

fibonacci.cpp | prime number.cpp | palindrome or not.cpp | sum of all digits.cpp | gcd.cpp

```cpp
#include <iostream>
int main() {
    int num1, num2;
    int gcd;
    std::cout << "Enter two positive integers: ";
    std::cin >> num1 >> num2;
    if (num1 <= 0 || num2 <= 0) {
        std::cout << "Error: Please enter positive integers." << std::endl;
        return 1;
    }
    int smaller = (num1 < num2) ? num1 : num2;
    int larger = (num1 >= num2) ? num1 : num2;
    do {
        gcd = smaller;
        smaller = larger % smaller;
        larger = gcd;
    } while (smaller != 0);

    // Output the result
    std::cout << "GCD of " << num1 << " and " << num2 << " is: " << gcd << std::endl;

    return 0;
}

```

C:\Users\mahic\OneDriv

```
Enter two positive integers: 10
5
GCD of 10 and 5 is: 5

--------------------------------
Process exited after 5.058 seconds with return v
alue 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\gcd.exe
- Output Size: 1.83260917663574 MiB
- Compilation Time: 0.69s
```

Line: 12 Col: 47 Sel: 0 Lines: 24 Length: 646 Insert Done parsing in 0.031 seconds

33°C Mostly cloudy

Search

ENG IN

14:54 04-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\sum of all digits.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit

(globals)

Project Classes Debug

fibonacci.cpp | prime number.cpp | palindrome or not.cpp | sum of all digits.cpp

```cpp
#include <iostream>
int main() {
    int number, originalNumber, sum = 0, digit;
    std::cout << "Enter a positive integer: ";
    std::cin >> number;
    originalNumber = number;
    while (number > 0) {
        digit = number % 10;
        sum += digit;
        number /= 10;
    }
    std::cout << "Sum of digits of " << originalNumber << " = " << sum << std::endl;
    return 0;
}

```

C:\Users\mahic\OneDri

```
Enter a positive integer: 425
Sum of digits of 425 = 11

--------------------------------
Process exited after 7.05 seconds with return va
lue 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\sum of all digits.exe
- Output Size: 1.8326301574707 MiB
- Compilation Time: 0.70s
```

Line: 12 Col: 85 Sel: 0 Lines: 15 Length: 402 Insert Done parsing in 0.016 seconds

33°C Mostly cloudy

Search

ENG IN

14:52 04-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\perfect number.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug

perfect number.cpp

```cpp
#include <iostream>
using namespace std;
bool isPerfect(int number) {
    int sum = 0;
    for (int i = 1; i <= number / 2; i++) {
        if (number % i == 0) {
            sum += i;
        }
    }
    return (sum == number);
}
int main() {
    int num;
    cout << "Enter a number: ";
    cin >> num;
    if (isPerfect(num)) {
        cout << num << " is a perfect number." << endl;
    } else {
        cout << num << " is not a perfect number." << endl;
    }
    return 0;
}
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\perfect numb
- Output Size: 1.83264827728271 MiB
- Compilation Time: 1.23s
```

Line: 20 Col: 6 Sel: 0 Lines: 23 Length: 505 Insert Done parsing in 0.5 seconds

C:\Users\mahic\OneDri

```
Enter a number: 5
5 is not a perfect number.

--------------------------------
Process exited after 9.509 seconds with return v
alue 0
Press any key to continue . . .
```

Search

ENG IN 19:46 05-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\palindrome or not.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

fibonacci.cpp prime number.cpp palindrome or not.cpp

```cpp
#include <iostream>
#include <cstring>
int main() {
    char str[100];
    bool isPalindrome = true;
    std::cout << "Enter a string: ";
    std::cin.getline(str, 100);
    int len = strlen(str);
    int start = 0;
    int end = len - 1;
    while (start < end) {
        if (str[start] != str[end]) {
            isPalindrome = false;
            break;
        }
        ++start;
        --end;
    }
    if (isPalindrome) {
        std::cout << "\"" << str << "\" is a palindrome." << std::endl;
    } else {
        std::cout << "\"" << str << "\" is not a palindrome." << std::endl;
    }
    return 0;
}

```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\palindrome or no
- Output Size: 1.8326301574707 MiB
- Compilation Time: 0.88s
```

Line: 23 Col: 6 Sel: 0 Lines: 26 Length: 639 Insert Done parsing in 0.032 seconds

C:\Users\mahic\OneDri

```
Enter a string: hello
"hello" is not a palindrome.

--------------------------------
Process exited after 4.559 seconds with return v
alue 0
Press any key to continue . . .
```

33°C Mostly cloudy

Search

ENG IN

14:49 04-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\prime number.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

fibonacci.cpp prime number.cpp

```cpp
#include <iostream>
int main() {
    int number;
    bool isPrime = true;
    std::cout << "Enter a positive integer: ";
    std::cin >> number;
    if (number <= 1) {
        std::cout << number << " is not a prime number." << std::endl;
        return 0;
    }
    for (int i = 2; i <= number / 2; ++i) {
        if (number % i == 0) {
            isPrime = false;
            break;
        }
    }
    if (isPrime) {
        std::cout << number << " is a prime number." << std::endl;
    } else {
        std::cout << number << " is not a prime number." << std::endl;
    }
    return 0;
}

```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\prime number.exe
- Output Size: 1.83260917663574 MiB
- Compilation Time: 1.00s
```

Line: 21 Col: 6 Sel: 0 Lines: 24 Length: 619 Insert Done parsing in 0.016 seconds

C:\Users\mahic\OneDri

```
Enter a positive integer: 5
5 is a prime number.

--------------------------------
Process exited after 2.764 seconds with return v
alue 0
Press any key to continue . . .
```

33°C Mostly cloudy

Search

ENG IN

14:48 04-07-2024

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

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug

largest among three numbers.cpp | 2 numbers equal or not - ternary operator.cpp | div by 3.cpp | print numb

```cpp
#include <iostream>
int main() {
    int n;
    int term1 = 0, term2 = 1, nextTerm;
    std::cout << "Enter the number of terms for Fibonacci series: ";
    std::cin >> n;
    std::cout << "Fibonacci Series up to " << n << " terms:" << std::endl;
    std::cout << term1 << " ";
    if (n > 1) {
        std::cout << term2 << " ";
    }
    for (int i = 2; i < n; ++i) {
        nextTerm = term1 + term2;
        std::cout << nextTerm << " ";
        term1 = term2;
        term2 = nextTerm;
    }
    std::cout << std::endl;
    return 0;
}

```

C:\Users\mahic\OneDri

```
Enter the number of terms for Fibonacci series:
4
Fibonacci Series up to 4 terms:
0 1 1 2

--------------------------------
Process exited after 4.518 seconds with return v
alue 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\fibonacci.exe
- Output Size: 1.83260917663574 MiB
- Compilation Time: 0.75s
```

Line: 18 Col: 28 Sel: 0 Lines: 21 Length: 563 Insert Done parsing in 0 seconds

33°C Mostly cloudy

Search

ENG IN

14:46 04-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\multiplication table.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug

largest among three numbers.cpp | 2 numbers equal or not - ternary operator.cpp | div by 3.cpp | print numbers 1 to 10

```cpp
#include <iostream>
int main() {
    int number;
    std::cout << "Enter a number to print its multiplication table: ";
    std::cin >> number;
    std::cout << "Multiplication table of " << number << ":" << std::endl;
    for (int i = 1; i <= 10; ++i) {
        std::cout << number << " * " << i << " = " << (number * i) << std::endl;
    }
    return 0;
}

```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\multiplication table.exe
- Output Size: 1.83263301849365 MiB
- Compilation Time: 0.95s
```

Line: 9 Col: 6 Sel: 0 Lines: 12 Length: 371 Insert Done parsing in 0.016 seconds

C:\Users\mahic\OneDri

```
Enter a number to print its multiplication table
: 4
Multiplication table of 4:
4 * 1 = 4
4 * 2 = 8
4 * 3 = 12
4 * 4 = 16
4 * 5 = 20
4 * 6 = 24
4 * 7 = 28
4 * 8 = 32
4 * 9 = 36
4 * 10 = 40

--------------------------------
Process exited after 9.633 seconds with return v
alue 0
Press any key to continue . . .
```

33°C Mostly cloudy

Search

ENG IN

14:44 04-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\uppercase, lowercase - reverse.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug

celsius to farenheit.cpp | 11. celsius to farenheit.cpp | nth fibonacci number.cpp | smallest element missing - | erse.cpp

```cpp
#include <iostream>
#include <algorithm>
using namespace std;
string toUpperCase(const string& str) {
    string result = str;
    transform(result.begin(), result.end(), result.begin(), ::toupper);
    return result;
}
string toLowerCase(const string& str) {
    string result = str;
    transform(result.begin(), result.end(), result.begin(), ::tolower);
    return result;
}
string reverseString(const string& str) {
    string reversed = str;
    reverse(reversed.begin(), reversed.end());
    return reversed;
}
int main() {
    string input;
    cout << "Enter a string: ";
    getline(cin, input);
    string upperCase = toUpperCase(input);
    cout << "Uppercase: " << upperCase << endl;
    string lowerCase = toLowerCase(input);
    cout << "Lowercase: " << lowerCase << endl;
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\uppercase, lowercas
- Output Size: 1.83993530273438 MiB
- Compilation Time: 0.95s
```

Line: 28 Col: 46 Sel: 0 Lines: 31 Length: 927 Insert Done parsing in 0.031 seconds

C:\Users\mahic\OneDri

```
Enter a string: Good
Uppercase: GOOD
Lowercase: good
Reversed: dooG

--------------------------------
Process exited after 12.31 seconds with return v
alue 0
Press any key to continue . . .
```

30°C T-storms

Search

ENG IN

22:45 03-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\factorial.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

largest among three numbers.cpp | 2 numbers equal or not - ternary operator.cpp | div by 3.cpp | print numbers 1 to 10.cpp

```cpp
#include <iostream>
int main() {
    int number;
    unsigned long long factorial = 1;
    std::cout << "Enter a positive integer: ";
    std::cin >> number;
    if (number < 0) {
        std::cout << "Error: Factorial is not defined for negative numbers." << std::endl;
        return 1;
    }
    for (int i = 1; i <= number; ++i) {
        factorial *= i;
    }
    std::cout << "Factorial of " << number << " = " << factorial << std::endl;
    return 0;
}
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\factorial.exe
- Output Size: 1.83260917663574 MiB
- Compilation Time: 0.74s
```

Line: 10 Col: 6 Sel: 0 Lines: 17 Length: 480 Insert Done parsing in 0.015 seconds

C:\Users\mahic\OneDri

```
Enter a positive integer: 4
Factorial of 4 = 24

--------------------------------
Process exited after 3.595 seconds with return v
alue 0
Press any key to continue . . .
```

33°C Mostly cloudy

Search

ENG IN

14:43 04-07-2024

C:\Users\mahic\OneDrive\Desktop\c++\diamond pattern.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

abundant number.cpp | narcissistic number.cpp | pattern - digits.cpp | star pattern.cpp | pascal triangle.cpp | diam

```cpp
#include <iostream>
#include <cmath>
int main() {
    int rows, i, j, space;
    std::cout << "Enter number of rows for the diamond pattern (must be odd): ";
    std::cin >> rows;
    for (i = 1; i <= rows; i += 2) {
        for (space = 1; space <= (rows - i) / 2; ++space) {
            std::cout << " ";
        }
        for (j = 1; j <= i; ++j) {
            std::cout << "*";
        }
        std::cout << std::endl;
    }
    for (i = rows - 2; i >= 1; i -= 2) {
        for (space = 1; space <= (rows - i) / 2; ++space) {
            std::cout << " ";
        }
        for (j = 1; j <= i; ++j) {
            std::cout << "*";
        }
        std::cout << std::endl;
    }
    return 0;
}

```

C:\Users\mahic\OneDri

```
Enter number of rows for the diamond pattern (mu
st be odd): 5
  *
 ***
*****
 ***
  *

--------------------------------
Process exited after 4.676 seconds with return v
alue 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mahic\OneDrive\Desktop\c++\diamond pattern.exe
- Output Size: 1.83262825012207 MiB
- Compilation Time: 0.88s
```

Line: 24 Col: 6 Sel: 0 Lines: 27 Length: 728 Insert Done parsing in 0.015 seconds

32°C Haze

Search

ENG IN

20:11 05-07-2024