

C:\Users\Nithish kumar\Documents\test1 22.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug test1 18.cpp test1 19.cpp test1 20.cpp test1 21.cpp test1 22.cpp

```
1 #include <iostream>
2 #include <algorithm>
3 #include <string>
4
5 int main() {
6     std::string str = "Good";
7     std::transform(str.begin(), str.end(), str.begin(), ::toupper);
8     std::cout << "Uppercase: " << str << std::endl;
9     std::transform(str.begin(), str.end(), str.begin(), ::tolower);
10    std::cout << "Lowercase: " << str << std::endl;
11    std::reverse(str.begin(), str.end());
12    std::cout << "Reversed: " << str << std::endl;
13
14    return 0;
15 }
16
```

Select C:\Users\Nithish kumar\Documents\test1 22.exe

```
Uppercase: GOOD
Lowercase: good
Reversed: doog

Process exited after 4.735 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

Compilation results...

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test1 22.exe
- Output Size: 1.38498020172119 MiB
- Compilation Time: 0.86s
```

Line: 10 Col: 52 Sel: 0 Lines: 16 Length: 474 Insert Done parsing in 0.016 seconds

Type here to search

Live

ENG

19:40
29-08-2024

C:\Users\Nithish kumar\Documents\test1 24.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug test1 18.cpp test1 19.cpp test1 20.cpp test1 21.cpp test1 22.cpp test1 23.cpp test1 24.cpp

```
1  #include <iostream>
2  #include <string>
3
4  class String {
5      std::string str;
6
7  public:
8      String(std::string s) : str(s) {}
9
10     bool operator==(const String &other) const {
11         return str == other.str;
12     }
13 };
14
15 int main() {
16     String s1("Apple");
17     String s2("orange");
18
19     if (s1 == s2) {
20         std::cout << "Both are equal" << std::endl;
21     } else {
22         std::cout << "Both are not equal" << std::endl;
23     }
24
25     return 0;
26 }
```

Select C:\Users\Nithish kumar\Documents\test1 24.exe

Both are not equal
Process exited after 7.099 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

Compilation results...

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test1 24.exe
- Output Size: 1.37317752838135 MiB
- Compilation Time: 0.84s
```

Line: 27 Col: 1 Sel: 0 Lines: 27 Length: 486 Insert Done parsing in 0.015 seconds

Type here to search

Live

ENG

19:43
29-08-2024

C:\Users\Nithish kumar\Documents\test1 20.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug test1 18.cpp test1 19.cpp test1 20.cpp

```
1
2 #include <iostream>
3 int fibonacci(int n) {
4     if (n <= 1) {
5         return n;
6     }
7     return fibonacci(n - 1) + fibonacci(n - 2);
8 }
9 int main() {
10     int n;
11     std::cout << "Enter the position: ";
12     std::cin >> n;
13     std::cout << n << "th Fibonacci number: " << fibonacci(n) << std::endl;
14
15     return 0;
16 }
```

C:\Users\Nithish kumar\Documents\test1 20.exe

```
Enter the position: 4
4th Fibonacci number: 3

-----
Process exited after 15.41 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test1 20.exe
- Output Size: 1.35717296600342 MiB
- Compilation Time: 0.91s
```

Line: 1 Col: 1 Sel: 0 Lines: 16 Length: 330 Insert Done parsing in 0.015 seconds

Windows search bar: Type here to search

Taskbar icons: File Explorer, Microsoft Edge, Dev-C++, WhatsApp (4 notifications), EUR/INR -0.40%, System tray: 19:37, 29-08-2024, ENG

C:\Users\Nithish kumar\Documents\test1 19.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug test1 18.cpp test1 19.cpp

```
1 #include <iostream>
2 double celsiusToFahrenheit(double celsius) {
3     return (celsius * 9.0/5.0) + 32;
4 }
5 int main() {
6     double celsius[] = {4.4, 10, 12, 7, 70};
7     int size = sizeof(celsius) / sizeof(celsius[0]);
8
9     std::cout << "Fahrenheit values: ";
10    for (int i = 0; i < size; i++) {
11        std::cout << celsiusToFahrenheit(celsius[i]) << " ";
12    }
13    return 0;
14 }
15
```

Select C:\Users\Nithish kumar\Documents\test1 19.exe

Fahrenheit values: 39.92 50 53.6 44.6 158

Process exited after 8.071 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test1 19.exe
- Output Size: 1.35719394683838 MiB
- Compilation Time: 1.02s

Line: 12 Col: 6 Sel: 0 Lines: 15 Length: 396 Insert Done parsing in 0 seconds

Windows Taskbar: Type here to search, 19:34, 29-08-2024, EUR/INR -0.40%

C:\Users\Nithish kumar\Documents\test1 18.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug

test1 18.cpp

```
1 #include <iostream>
2 #include <algorithm>
3 void sortArray(int *arr, int n) {
4     std::sort(arr, arr + n);
5 }
6 void printArray(int *arr, int n) {
7     for (int i = 0; i < n; i++) {
8         std::cout << *(arr + i) << " ";
9     }
10 }
11 int main() {
12     int n;
13     std::cout << "Enter number of elements: ";
14     std::cin >> n;
15     int arr[n];
16     std::cout << "Enter elements: ";
17     for (int i = 0; i < n; i++) {
18         std::cin >> arr[i];
19     }
20     sortArray(arr, n);
21     std::cout << "Sorted elements: ";
22     printArray(arr, n);
23
24     return 0;
25 }
26
```

C:\Users\Nithish kumar\Documents\test1 18.exe

```
Enter number of elements: 2
Enter elements: 1
2
Sorted elements: 1 2
-----
Process exited after 29.98 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test1 18.exe
- Output Size: 1.38566970825195 MiB
- Compilation Time: 0.91s
```

Line: 14 Col: 19 Sel: 0 Lines: 26 Length: 567 Insert Done parsing in 0.469 seconds

Type here to search

EUR/INR -0.40% 19:32 29-08-2024

C:\Users\Nithish kumar\Documents\test117.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug

Untitled1 test12.cpp Untitled2 test13.cpp Untitled3 test14.cpp Untitled4 test15.cpp Untitled5 test16.cpp Untitled6 test17.cpp Untitled7 test18.cpp Untitled8

test110.cpp test111.cpp Untitled9 test112.cpp

```
1 #include <iostream>
2 #include <algorithm>
3
4 int main() {
5     int arr[] = {-45, 78, 23, 89, -90};
6     int size = sizeof(arr) / sizeof(arr[0]);
7
8     std::sort(arr, arr + size);
9
10    std::cout << "Sorted array: ";
11    for (int i = 0; i < size; i++) {
12        std::cout << arr[i] << " ";
13    }
14
15    return 0;
16 }
17
```

C:\Users\Nithish kumar\Documents\test117.exe

Sorted array: -90 -45 23 78 89
Process exited after 0.125 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\Nithish kumar\Documents\test117.exe
- Output Size: 1.38461399078369 MiB
- Compilation Time: 0.80s

Line: 1 Col: 1 Sel: 0 Lines: 17 Length: 335 Insert Done parsing in 0.157 seconds

Type here to search

31°C Mostly cloudy 19:26 29-08-2024

C:\Users\Nithish kumar\Documents\test115.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

Project Classes Debug

Untitled1 test12.cpp Untitled2 test13.cpp Untitled3 test14.cpp

test110.cpp

test111.cpp

Untitled1

1 #include <iostream>

2 int main() {

3 int arr[5] = {1, 2, 3, 4, 5};

4 std::cout << "Displaying address using arrays:" << std::endl;

5 for (int i = 0; i < 5; i++) {

6 std::cout << "&arr[" << i << "] = " << &arr[i] << std::endl;

7 }

8 std::cout << "Displaying address using pointers:" << std::endl;

9 int *ptr = arr;

10 for (int i = 0; i < 5; i++) {

11 std::cout << "ptr + " << i << " = " << ptr + i << std::endl;

12 }

13 return 0;

14 }

15 }

C:\Users\Nithish kumar\Documents\test115.exe

Displaying address using arrays:

&arr[0] = 0x6efe70

&arr[1] = 0x6efe74

&arr[2] = 0x6efe78

&arr[3] = 0x6efe7c

&arr[4] = 0x6efe80

Displaying address using pointers:

ptr + 0 = 0x6efe70

ptr + 1 = 0x6efe74

ptr + 2 = 0x6efe78

ptr + 3 = 0x6efe7c

ptr + 4 = 0x6efe80

Process exited after 0.1205 seconds with return value 0

Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0

- Warnings: 0

- Output Filename: C:\Users\Nithish kumar\Documents\test115.exe

- Output Size: 1.35713291168213 MiB

- Compilation Time: 0.74s

Line: 1 Col: 1 Sel: 0 Lines: 15 Length: 471 Insert Done parsing in 0.016 seconds

Windows Taskbar

C:\Users\Nithish kumar\Documents\test112.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug

Untitled1 test12.cpp Untitled2 test13.cpp Untitled3 test14.cpp Untitled4 test15.cpp Untitled5 test16.cpp Untitled6 test17.cpp Untitled7 test18.cpp Untitled8

test110.cpp test111.cpp Untitled9

```
1 #include <iostream>
2 int factorial(int n) {
3     int fact = 1;
4     for (int i = 1; i <= n; ++i) {
5         fact *= i;
6     }
7     return fact;
8 }
9 int main() {
10     int n = 5;
11     double sum = 0;
12
13     for (int i = 1; i <= n; ++i) {
14         sum += factorial(i) / i;
15     }
16     std::cout << "Sum of the series: " << sum << std::endl;
17     return 0;
18 }
19
```

C:\Users\Nithish kumar\Documents\test112.exe

Sum of the series: 34

Process exited after 0.1195 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\Nithish kumar\Documents\test112.exe

- Output Size: 1.35668468475342 MiB

- Compilation Time: 0.78s

Line: 9 Col: 13 Sel: 0 Lines: 19 Length: 363 Insert Done parsing in 0.016 seconds

Type here to search

31°C Mostly cloudy 19:22 29-08-2024

C:\Users\Nithish kumar\Documents\test115.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug

Untitled1 test12.cpp Untitled2 test13.cpp Untitled3 test14.cpp Untitled4 test15.cpp Untitled5 test16.cpp Untitled6 test17.cpp Untitled7 test18.cpp Untitled8

test110.cpp test111.cpp Untitled9 test112.cpp

```
1 #include <iostream>
2 int main() {
3     int arr[5] = {1, 2, 3, 4, 5};
4     std::cout << "Displaying address using arrays:" << std::endl;
5     for (int i = 0; i < 5; i++) {
6         std::cout << "%arr[" << i << "] = " << &arr[i] << std::endl;
7     }
8     std::cout << "Displaying address using pointers:" << std::endl;
9     int *ptr = arr;
10    for (int i = 0; i < 5; i++) {
11        std::cout << "ptr + " << i << " = " << ptr + i << std::endl;
12    }
13    return 0;
14 }
15
```

C:\Users\Nithish kumar\Documents\test115.exe

Displaying address using arrays:
&arr[0] = 0x6efe70
&arr[1] = 0x6efe74
&arr[2] = 0x6efe78
&arr[3] = 0x6efe7c
&arr[4] = 0x6efe80
Displaying address using pointers:
ptr + 0 = 0x6efe70
ptr + 1 = 0x6efe74
ptr + 2 = 0x6efe78
ptr + 3 = 0x6efe7c
ptr + 4 = 0x6efe80

Process exited after 0.1226 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test115.exe
- Output Size: 1.35713291168213 MiB
- Compilation Time: 0.75s

Line: 1 Col: 1 Sel: 0 Lines: 15 Length: 471 Insert Done parsing in 0.016 seconds

Windows Taskbar

Type here to search

Taskbar icons: File Explorer, Edge, Dev-C++, etc.

System tray: 31°C Mostly cloudy, 19:24, 29-08-2024

C:\Users\Nithish kumar\Documents\test110.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug Untitled1 test12.cpp Untitled2 test13.cpp Untitled3 test14.cpp Untitled4 test15.cpp Untitled5 test16.cpp Untitled6 test17.cpp Untitled7 test18.cpp Untitled8 test110.cpp

```
1 #include <iostream>
2 int main() {
3     int num;
4     std::cout << "Enter an integer number: ";
5     std::cin >> num;
6     int leastSigDigit = num % 10;
7     int nextLeastSigDigit = (num / 10) % 10;
8     std::cout << "The least significant digit is " << leastSigDigit << std::endl;
9     std::cout << "The next least significant digit is " << nextLeastSigDigit << std::endl;
10
11     return 0;
12 }
13
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test18.exe
- Output Size: 1.35713291168213 MiB
- Compilation Time: 0.70s

Line: 1 Col: 1 Sel: 0 Lines: 13 Length: 400 Insert Done parsing in 0 seconds

Type here to search

31°C Mostly cloudy 19:17 29-08-2024 ENG

C:\Users\Nithish kumar\Documents\test12.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug Untitled1 test12.cpp

```
1 #include<iostream>
2 #include <cmath>
3 class Shape {
4 public:
5     Shape(double radius) {
6         std::cout << "Area of Circle: " << 3.14 * radius * radius << std::endl;
7     }
8     Shape(double length, double breadth) {
9         std::cout << "Area of Rectangle: " << length * breadth << std::endl;
10    }
11    Shape(double a, double b, double c) {
12        double s = (a + b + c) / 2;
13        double area = sqrt(s * (s - a) * (s - b) * (s - c));
14        std::cout << "Area of Triangle: " << area << std::endl;
15    }
16 };
17 int main() {
18     Shape circle(3);
19     Shape rectangle(4, 5);
20     Shape triangle(3, 4, 5);
21
22     return 0;
23 }
24
```

Select C:\Users\Nithish kumar\Documents\test12.exe

Area of Triangle: 6

Process exited after 0.1266 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test12.exe
- Output Size: 1.36443901062012 MiB
- Compilation Time: 1.50s

Line: 1 Col: 1 Sel: 0 Lines: 24 Length: 645 Insert Done parsing in 0.437 seconds

Type here to search

High winds soon

ENG

19:06
29-08-2024

C:\Users\Nithish kumar\Documents\test13.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

Project Classes Debug

test110.cpp

test111.cpp

Untitled1 test12.cpp Untitled2 test13.cpp Untitled3 test14.cpp Untitled

```
3 public:
4   int x, y;
5
6   Point(int x1, int y1) {
7       x = x1;
8       y = y1;
9   }
10
11   // Copy constructor
12   Point(const Point &p) {
13       x = p.x;
14       y = p.y;
15   }
16 };
17
18 int main() {
19     Point p1(10, 15);
20     Point p2 = p1;
21
22     std::cout << "P1.x = " << p1.x << ", P1.y = " << p1.y << std::endl;
23     std::cout << "P2.x = " << p2.x << ", P2.y = " << p2.y << std::endl;
24
25     return 0;
26 }
27
```

C:\Users\Nithish kumar\Documents\test13.exe

```
P1.x = 10, P1.y = 15
P2.x = 10, P2.y = 15

-----
Process exited after 0.1207 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test13.exe
- Output Size: 1.3579568862915 MiB
- Compilation Time: 0.70s

Line: 18 Col: 13 Sel: 0 Lines: 27 Length: 480 Insert Done parsing in 0.015 seconds

Windows Search Type here to search

31°C Mostly cloudy 19:20 29-08-2024

C:\Users\Nithish kumar\Documents\test15.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

Project Classes Debug

Untitled1 test12.cpp Untitled2 test13.cpp Untitled3 test14

```
1 #include <iostream>
2 void reverseString(char *str) {
3     int length = 0;
4     while (str[length] != '\0') {
5         length++;
6     }
7
8     for (int i = length - 1; i >= 0; i--) {
9         std::cout << str[i];
10    }
11 }
12 int main() {
13     char str[] = "Hello";
14     reverseString(str);
15     return 0;
16 }
17
```

C:\Users\Nithish kumar\Documents\test15.exe

olleH!

Process exited after 0.1188 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test15.exe
- Output Size: 1.35666179656982 MiB
- Compilation Time: 0.75s

Line: 17 Col: 1 Sel: 0 Lines: 17 Length: 313 Insert Done parsing in 0.015 seconds

Type here to search

31°C Mostly cloudy 19:11 29-08-2024

C:\Users\Nithish kumar\Documents\test112.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug

Untitled1 test12.cpp Untitled2 test13.cpp Untitled3 test14.cpp Untitled4 test15.cpp Untitled5 test16.cpp Untitled6 test17.cpp Untitled7 test18.cpp Untitled8

test110.cpp test111.cpp Untitled9 test112.cpp

```
1 #include <iostream>
2 int factorial(int n) {
3     int fact = 1;
4     for (int i = 1; i <= n; ++i) {
5         fact *= i;
6     }
7     return fact;
8 }
9 int main() {
10    int n = 5;
11    double sum = 0;
12
13    for (int i = 1; i <= n; ++i) {
14        sum += factorial(i) / i;
15    }
16    std::cout << "Sum of the series: " << sum << std::endl;
17    return 0;
18 }
19
```

Select C:\Users\Nithish kumar\Documents\test112.exe

Sum of the series: 34

Process exited after 0.1266 seconds with return value 0

Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test112.exe
- Output Size: 1.35668468475342 MiB
- Compilation Time: 0.73s

Line: 1 Col: 1 Sel: 0 Lines: 19 Length: 363 Insert Done parsing in 0.015 seconds

Type here to search

31°C Mostly cloudy 19:19 29-08-2024

C:\Users\Nithish kumar\Documents\test18.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug

Untitled1 test12.cpp Untitled2 test13.cpp Untitled3 test14.cpp Untitled4 test15.cpp Untitled5 test16.cpp Untitled6 test17.cpp Untitled7 test18.cpp

```
1  #include <iostream>
2  int main() {
3      int age;
4      std::cout << "Enter your age: ";
5      std::cin >> age;
6
7      if (age >= 18) {
8          std::cout << "You are eligible to vote." << std::endl;
9      } else {
10         std::cout << "You are allowed to vote after " << 18 - age << " years" << std::endl;
11     }
12
13     return 0;
14 }
15
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test18.exe
- Output Size: 1.35713291168213 MiB
- Compilation Time: 0.70s

Line: 1 Col: 1 Sel: 0 Lines: 15 Length: 341 Insert Done parsing in 0.016 seconds

C:\Users\Nithish kumar\Documents\test18.exe

Enter your age: 12
You are allowed to vote after 6 years

Process exited after 1.953 seconds with return value 0
Press any key to continue . . .

Windows Taskbar

Type here to search

Taskbar icons: File Explorer, Edge, Dev-C++, etc.

System tray: 31°C Mostly cloudy, 19:16, 29-08-2024

C:\Users\Nithish kumar\Documents\test14.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug

Untitled1 test12.cpp Untitled2 test13.cpp Untitled3 test14.cpp

```
1 #include <iostream>
2 #include <cmath>
3 int main() {
4     int rows = 5;
5     for (int i = 1; i <= rows; ++i) {
6         int val = pow(2, i);
7         for (int j = 1; j <= i; ++j) {
8             std::cout << val << " ";
9         }
10        std::cout << std::endl;
11    }
12    return 0;
13 }
14
```

C:\Users\Nithish kumar\Documents\test14.exe

```
2
4 4
8 8 8
16 16 16 16
32 32 32 32 32
-----
Process exited after 0.1222 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test14.exe
- Output Size: 1.37579154968262 MiB
- Compilation Time: 0.72s
```

Line: 14 Col: 1 Sel: 0 Lines: 14 Length: 290 Insert Done parsing in 0.016 seconds

Type here to search

31°C Mostly cloudy 19:10 29-08-2024

C:\Users\Nithish kumar\Documents\test111.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug

Untitled1 test12.cpp Untitled2 test13.cpp Untitled3 test14.cpp Untitled4 test15.cpp Untitled5 test16.cpp Untitled6 test17.cpp Untitled7 test18.cpp Untitled8 test110.cpp test111.cpp

```
1 #include <iostream>
2 #include <cmath>
3 class Triangle {
4 public:
5     double a, b, c;
6     Triangle(double a, double b, double c) : a(a), b(b), c(c) {}
7     void printArea() {
8         double s = (a + b + c) / 2;
9         double area = sqrt(s * (s - a) * (s - b) * (s - c));
10        std::cout << "Area of Triangle: " << area << std::endl;
11    }
12    void printPerimeter() {
13        double perimeter = a + b + c;
14        std::cout << "Perimeter of Triangle: " << perimeter << std::endl;
15    }
16 };
17 int main() {
18     Triangle t(3, 4, 5);
19     t.printArea();
20     t.printPerimeter();
21     return 0;
22 }
23
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test111.exe
- Output Size: 1.36452484130859 MiB
- Compilation Time: 0.78s

Line: 1 Col: 1 Sel: 0 Lines: 23 Length: 607 Insert Done parsing in 0.015 seconds

C:\Users\Nithish kumar\Documents\test111.exe

Area of Triangle: 6
Perimeter of Triangle: 12

Process exited after 0.1464 seconds with return value 0
Press any key to continue . . .

Windows Taskbar

Type here to search

31°C Mostly cloudy 19:18 29-08-2024

C:\Users\Nithish kumar\Documents\test16.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug Untitled1 test12.cpp Untitled2 test13.cpp Untitled3 test14.cpp Untitled4 test15.cpp Untitled5 test16.cpp

```
1 #include <iostream>
2 bool isPalindrome(int number) {
3     int reversed = 0, original = number, remainder;
4     while (number != 0) {
5         remainder = number % 10;
6         reversed = reversed * 10 + remainder;
7         number /= 10;
8     }
9     return original == reversed;
10 }
11 int main() {
12     int num = 123321;
13     if (isPalindrome(num)) {
14         std::cout << "It is a Palindrome" << std::endl;
15     } else {
16         std::cout << "It is not a Palindrome" << std::endl;
17     }
18     return 0;
19 }
20
```

C:\Users\Nithish kumar\Documents\test16.exe

```
It is a Palindrome
-----
Process exited after 0.1185 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test16.exe
- Output Size: 1.35718059539795 MiB
- Compilation Time: 0.72s
```

Line: 1 Col: 1 Sel: 0 Lines: 20 Length: 508 Insert Done parsing in 0.016 seconds

Type here to search

31°C Mostly cloudy

19:13
29-08-2024

C:\Users\Nithish kumar\Documents\test13.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Debug

(globals)

Project Classes Debug Untitled1 test12.cpp Untitled2 test13.cpp

```
1 #include <iostream>
2 class Point {
3 public:
4     int x, y;
5
6     Point(int x1, int y1) {
7         x = x1;
8         y = y1;
9     }
10
11     // Copy constructor
12     Point(const Point &p) {
13         x = p.x;
14         y = p.y;
15     }
16 };
17
18 int main() {
19     Point p1(10, 15);
20     Point p2 = p1;
21
22     std::cout << "P1.x = " << p1.x << ", P1.y = " << p1.y << std::endl;
23     std::cout << "P2.x = " << p2.x << ", P2.y = " << p2.y << std::endl;
24
25     return 0;
26 }
```

C:\Users\Nithish kumar\Documents\test13.exe

```
P1.x = 10, P1.y = 15
P2.x = 10, P2.y = 15
-----
Process exited after 0.1261 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Nithish kumar\Documents\test13.exe
- Output Size: 1.3579568862915 MiB
- Compilation Time: 0.73s
```

Line: 1 Col: 1 Sel: 0 Lines: 27 Length: 480 Insert Done parsing in 0 seconds

Type here to search

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19:08

29-08-2024