

C:\Users\abhigna\Documents\opeartor overload 12.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

1.operator overload.cpp

2.overload operator.cpp

3. overload the ope

[*] 7.opeartor overload.cpp

8.operator overload.cpp

9.opeartor overlo

```
1  #include <iostream>
2  #include <cstring>
3  using namespace std;
4  string concatenate(const string& str1, const string& str2)
5  {
6      return str1 + str2;
7  }
8  char* concatenate(const char* arr1, const char* arr2)
9  {
10     size_t len1 = strlen(arr1);
11     size_t len2 = strlen(arr2);
12     char* result = new char[len1 + len2 + 1];
13     strcpy(result, arr1);
14     strcat(result, arr2);
15     return result;
16 }
17 int main()
18 {
19     string strResult = concatenate("Hello, ", "world!");
20     cout << "Concatenated string: " << strResult << endl;
21     const char* arr1 = "Hello, ";
22     const char* arr2 = "world!";
23     char* charResult = concatenate(arr1, arr2);
24     cout << "Concatenated character array: " << charResult << endl;
25     delete[] charResult;
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\opeartor overload 12.exe
- Output Size: 1.83606719970703 MiB
- Compilation Time: 2.08s

Line: 25 Col: 26 Sel: 0 Lines: 28 Length: 771 Insert Done parsing in 0.266 seconds

Type here to search



31°C Haze



ENG

08:57
23-02-2024



C:\Users\abhigna\Documents\opeartor overload 12.exe

Concatenated string: Hello, world!

Concatenated character array: Hello, world!

Process exited after 0.2084 seconds with return value 0
Press any key to continue . . .



(globals)

Project Classes Debug

1.operator overload.cpp	2.overload operator.cpp	3. overload the operator.cpp
8.operator overload.cpp	9.opeartor overload.cpp	10.opearator overload.cpp

```
1  #include <iostream>
2  using namespace std;
3  void sum(const int mat1[][3], const int mat2[][3], int result[][3])
4  {
5      for (int i = 0; i < 3; ++i)
6      {
7          for (int j = 0; j < 3; ++j)
8          {
9              result[i][j] = mat1[i][j] + mat2[i][j];
10             }
11         }
12     }
13 void sum(const int arr1[], const int arr2[], int result[], int size)
14 {
15     for (int i = 0; i < size; ++i)
16     {
17         result[i] = arr1[i] + arr2[i];
18     }
19 }
20 void displayMatrix(const int mat[][3])
21 {
22     for (int i = 0; i < 3; ++i) {
23         for (int j = 0; j < 3; ++j)
24         {
25             cout << mat[i][j] << " ";
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\operator overload 13.exe
- Output Size: 1.83377170562744 MiB
- Compilation Time: 4.03s

Line: 20 Col: 40 Sel: 0 Lines: 54 Length: 1315 Insert Done parsing in 0.031 seconds



Type here to search



31°C Haze

Show hidden icons

09:05
23-02-2024

C:\Users\abhigna\Documents\operator overload 13.exe

Result of summing two matrices:

10 10 10

10 10 10

10 10 10

Result of summing two arrays:

5 7 9

Process exited after 0.1918 seconds with return value 0

Press any key to continue . . .

```
1 #include <iostream>
2 using namespace std;
3 int max(int a, int b)
4 {
5     return (a > b) ? a : b;
6 }
7 float max(float a, float b)
8 {
9     return (a > b) ? a : b;
10 }
11 char max(char a, char b)
12 {
13     return (a > b) ? a : b;
14 }
15 int main()
16 {
17     int intResult = max(5, 10);
18     float floatResult = max(3.5f, 7.2f);
19     char charResult = max('a', 'b');
20     cout << "Maximum of two integers: " << intResult << endl;
21     cout << "Maximum of two floating-point numbers: " << floatResult << endl;
22     cout << "Maximum of two characters: " << charResult << endl;
23     return 0;
24 }
25
```

About Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\operator overload 11.exe
- Output Size: 1.833176612854 MiB
- Compilation Time: 3.84s
```



Type here to search



31°C Haze

08:54
23-02-2024English (United States)
US keyboardTo switch input methods, press
Windows key+Space.

C:\Users\abhigna\Documents\16 opearator overload.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 1.operator overload.cpp 2.overload operator.cpp 3. overload the operator.cpp
9.opeartor overload.cpp 10.opeartor overload.cpp operator overload 11.cpp

```
1  #include <iostream>
2  #include <algorithm>
3  using namespace std;
4  void sortArray(int arr[], int size)
5  {
6      sort(arr, arr + size);
7  }
8  void sortArray(double arr[], int size)
9  {
10     sort(arr, arr + size);
11 }
12 void displayIntArray(const int arr[], int size)
13 {
14     for (int i = 0; i < size; ++i)
15     {
16         cout << arr[i] << " ";
17     }
18     cout << endl;
19 }
20 void displayDoubleArray(const double arr[], int size)
21 {
22     for (int i = 0; i < size; ++i)
23     {
24         cout << arr[i] << " ";
25     }
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\16 opearator overload.exe
- Output Size: 1.86534214019775 MiB
- Compilation Time: 2.92s

Line: 17 Col: 6 Sel: 0 Lines: 46 Length: 1165 Insert Done parsing in 1.547 seconds

C:\Users\abhigna\Documents\16 opearator overload.exe

```
Original integer array: 5 2 8 1 6
Sorted integer array: 1 2 5 6 8
Original double array: 3.5 1.2 7.8 2.4 5.6
Sorted double array: 1.2 2.4 3.5 5.6 7.8
```

```
-----
Process exited after 0.3776 seconds with return value 0
Press any key to continue . . .
```

C:\Users\abhigna\Documents\17 opeartor overload.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 1.operator overload.cpp 2.overload operator.cpp 3. overload the operator.cpp 4.operator overload.cpp 5.operator overload.cpp 6.operator overload.cpp

[*] 7.opeartor overload.cpp 8.operator overload.cpp 9.opeartor overloa C:\Users\abhigna\Documents\17 opeartor overload.exe

14 opeartor overload.cpp

15 opeartor ov

```
1 #include <iostream>
2 #include <cmath>
3 using namespace std;
4 long long power(int base, int exponent)
5 {
6     return static_cast<long long>(pow(base, exponent));
7 }
8 double power(double base, int exponent)
9 {
10    return pow(base, exponent);
11 }
12 int main()
13 {
14     int intBase = 2;
15     int intExponent = 5;
16     double doubleBase = 2.5;
17     int doubleExponent = 3;
18     cout << "Power of " << intBase << " raised to " << intExponent << " is: " << power(intBase, intExponent) << endl;
19     cout << "Power of " << doubleBase << " raised to " << doubleExponent << " is: " << power(doubleBase, doubleExponent) << endl;
20     return 0;
21 }
22
```

```
Power of 2 raised to 5 is: 32
Power of 2.5 raised to 3 is: 15.625
```

```
-----
Process exited after 0.2777 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\17 opeartor overload.exe
- Output Size: 1.85899066925049 MiB
- Compilation Time: 2.78s
```

Line: 19 Col: 125 Sel: 0 Lines: 22 Length: 640 Insert Done parsing in 0.078 seconds

C:\Users\abhigna\Documents\14 opeartor overload.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

1.operator overload.cpp 2.overload operator.cpp 3. overload
8.operator overload.cpp 9.opearator overload.cpp 10.opearator

```
1 #include <iostream>
2 using namespace std;
3 void printArray(const int arr[], int size)
4 {
5     cout << "Printing integer array:" << endl;
6     for (int i = 0; i < size; ++i)
7     {
8         cout << arr[i] << " ";
9     }
10    cout << endl;
11 }
12 void printArray(const double arr[], int size)
13 {
14     cout << "Printing double array:" << endl;
15     for (int i = 0; i < size; ++i)
16     {
17         cout << arr[i] << " ";
18     }
19     cout << endl;
20 }
21 void printArray(const char arr[], int size)
22 {
23     cout << "Printing character array:" << endl;
24     for (int i = 0; i < size; ++i)
25     {
```

Compiler Resources Compile Log Debug Find Results Close

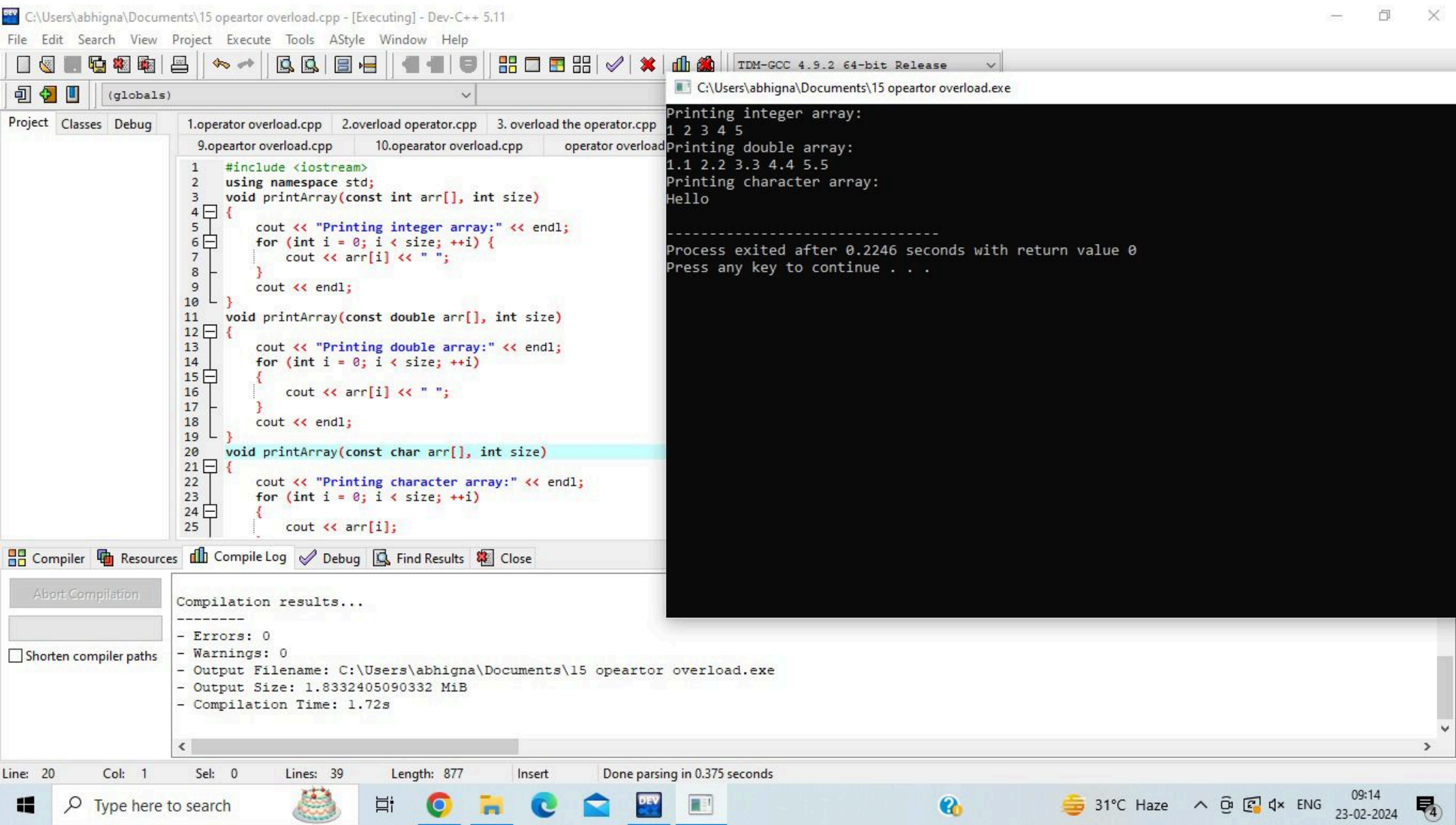
About Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\14 opeartor overload.exe
- Output Size: 1.8332405090332 MiB
- Compilation Time: 4.70s

Line: 38 Col: 1 Sel: 0 Lines: 40 Length: 880 Insert Done parsing in 0.063 seconds

```
C:\Users\abhigna\Documents\14 opeartor overload.exe
Printing integer array:
1 2 3 4 5
Printing double array:
1.1 2.2 3.3 4.4 5.5
Printing character array:
Hello
-----
Process exited after 0.2027 seconds with return value 0
Press any key to continue . . .
```

C:\Users\abhigna\Documents\18 opeartor overload.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

1.operator overload.cpp 2.overload operator.cpp 3. overload the

[*] 7.opearor overload.cpp 8.operator overload.cpp 9.opearor overload.cpp

14 opearor overload.cpp 15 opearor overload.cpp

```
1 #include <iostream>
2 #include <cmath>
3 using namespace std;
4 int absolute(int num)
5 {
6     return abs(num);
7 }
8 double absolute(double num)
9 {
10    return abs(num);
11 }
12 int main()
13 {
14     int intNum = -5;
15     double doubleNum = -3.14;
16     cout << "Absolute value of " << intNum << " is: " << absolute(intNum) << endl;
17     cout << "Absolute value of " << doubleNum << " is: " << absolute(doubleNum) << endl;
18     return 0;
19 }
20
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\18 opeartor overload.exe
- Output Size: 1.83336544036865 MiB
- Compilation Time: 2.77s

Line: 17 Col: 84 Sel: 0 Lines: 20 Length: 434 Insert Done parsing in 0.204 seconds



Type here to search



28°C Partly sunny

Show hidden icons

09:24
23-02-2024



C:\Users\abhigna\Documents\18 opeartor overload.exe

Absolute value of -5 is: 5
Absolute value of -3.14 is: 3.14

Process exited after 0.2049 seconds with return value 0
Press any key to continue . . .