

C:\Users\abhigna\Documents\2.overload operator.cpp - [Executing] - Dev-C++ 5.11

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(globals)

Project Classes Debug 3. overload the operator.cpp 1.operator overload.cpp 2.overload operator.cpp

```
1  #include <iostream>
2  using namespace std;
3  class MyNumber
4  {
5  private:
6      int value;
7  public:
8      MyNumber(int val) : value(val) {}
9      MyNumber operator+(const MyNumber& other) const
10     {
11         return MyNumber(value + other.value);
12     }
13     int getValue() const
14     {
15         return value;
16     }
17 };
18 int main()
19 {
20     MyNumber num1(5);
21     MyNumber num2(3);
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\2.overload operator.exe
- Output Size: 1.83377838134766 MiB
- Compilation Time: 2.49s
```

2.overload operator.cpp - [Executing] - Dev-C++

C:\Users\abhigna\Documents\2.overload operator.exe

```
Value of num1: 5
Value of num2: 3
Result of addition: 8
```

```
-----
Process exited after 0.1757 seconds with return value 0
Press any key to continue . . .
```

Line: 25 Col: 60 Sel: 0 Lines: 28 Length: 615 Insert Done parsing in 0.078 seconds

```
2  #include <vector>
3  using namespace std;
4  class MyClass
5  {
6  private:
7      vector<int> data;
8  public:
9      MyClass() {}
10     void addData(int value)
11     {
12         data.push_back(value);
13     }
14     friend ostream& operator<<(ostream& os, const MyClass& obj)
15     {
16         for (int i = 0; i < obj.data.size(); ++i)
17         {
18             os << obj.data[i] << " ";
19         }
20         return os;
21     }
22 }
```

About Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\3. overload the operator.exe
- Output Size: 1.85636043548584 MiB
- Compilation Time: 6.17s



Select C:\Users\abhigna\Documents\3. overload the operator.exe

Contents of MyClass: 1 2 3

Process exited after 0.277 seconds with return value 0
Press any key to continue . . .

C:\Users\abhigna\Documents\1.operator overload.cpp - [Executing] - Dev-C++ 5.11

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(globals)

Project Classes Debug 3. overload the operator.cpp 1.operator overload.cpp

```
1  #include <iostream>
2  using namespace std;
3  class Incrementer
4  {
5  private:
6      int value;
7  public:
8      Incrementer(int val) : value(val) {}
9      Incrementer& operator++()
10     {
11         ++value;
12         return *this;
13     }
14     Incrementer operator++(int)
15     {
16         Incrementer temp = *this;
17         ++(*this);
18         return temp;
19     }
20     int getValue() const
21     {
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\1.operator overload.exe
- Output Size: 1.83402824401855 MiB
- Compilation Time: 3.92s

Line: 15 Col: 6 Sel: 0 Lines: 35 Length: 705 Insert Done parsing in 0.11 seconds

C:\Users\abhigna\Documents\1.operator overload.exe

```
Original value: 5
Value after prefix increment: 6
Value after postfix increment: 7

-----
Process exited after 0.3548 seconds with return value 0
Press any key to continue . . .
```


C:\Users\abhigna\Documents\4.operator overload.cpp - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug 3. overload the operator.cpp 1.operator overload.cpp 2.overload operator.cpp

```
1 #include <iostream>
2 using namespace std;
3 class MyClass
4 {
5 private:
6     int value;
7 public:
8     MyClass(int val) : value(val) {}
9     bool operator==(const MyClass& other) const
10    {
11        return value == other.value;
12    }
13    int getValue() const
14    {
15        return value;
16    }
17 };
18 int main()
19 {
20     MyClass obj1(5);
21     MyClass obj2(5);
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\4.operator overload.exe
- Output Size: 1.83304786682129 MiB
- Compilation Time: 2.59s

Line: 20 Col: 21 Sel: 0 Lines: 39 Length: 726 Insert Done parsing in 0.11 seconds

Type here to search



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C:\Users\abhigna\Documents\4.operator overload.exe

```
obj1 and obj2 are equal.
obj1 and obj3 are not equal.

-----
Process exited after 0.2401 seconds with return value 0
Press any key to continue . . .
```

C:\Users\abhigna\Documents\5.operator overload.cpp - [Executing] - Dev-C++ 5.11

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(globals)

Project Classes Debug 3. overload the operator.cpp 1.operator overload.cpp 2.overload operator.cpp

```
1 #include <iostream>
2 #include <iomanip>
3 using namespace std;
4 class Matrix
5 {
6     private:
7         int m[2][2],i,j;
8     public:
9         void read()
10        {
11            for(i=0;i<2;i++)
12                for(j=0;j<2;j++)
13                    cin>>m[i][j];
14        }
15        void display()
16        {
17            for(i=0;i<2;i++)
18            {
19                for(j=0;j<2;j++)
20                    cout<<m[i][j]<<setw(2);
21                cout<<endl;
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\5.operator overload.exe
- Output Size: 1.83440971374512 MiB
- Compilation Time: 2.08s

Line: 50 Col: 12 Sel: 0 Lines: 55 Length: 1202 Insert Done parsing in 0.109 seconds

C:\Users\abhigna\Documents\5.operator overload.exe

Enter 1st matrix:

1 0

3 4

Enter 2nd matrix:

4 7

6 3

The product is:

4 7

3633

Process exited after 16.13 seconds with return value 0

Press any key to continue . . .