

C:\Users\abhigna\Documents\6.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 4.operator overload

```
1  #include <iostream>
2  using namespace std;
3  class Array
4  {
5  private:
6      int* data;
7      int size;
8  public:
9      Array(int arraySize) : size(arraySize)
10     {
11         data = new int[size];
12     }
13     ~Array()
14     {
15         delete[] data;
16     }
17     int& operator[](int index)
18     {
19         if (index < 0 || index >= size)
20         {
21             cerr << "Index out of bounds." << endl;
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\abhigna\Documents\6.operator overload.exe  
- Output Size: 1.83369827270508 MiB  
- Compilation Time: 2.84s

Line: 15 Col: 23 Sel: 0 Lines: 41 Length: 738 Insert Done parsing in 0.11 seconds

C:\Users\abhigna\Documents\6.operator overload.exe

Array elements:

```
arr[0] = 0
arr[1] = 10
arr[2] = 20
arr[3] = 30
arr[4] = 40
```

-----  
Process exited after 0.3879 seconds with return value 0  
Press any key to continue . . .

C:\Users\abhigna\Documents\9.opearator overload.cpp - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

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

[\*] 7.opearator overload.cpp

```
1 #include <iostream>
2 using namespace std;
3 int add(int a, int b)
4 {
5     return a + b;
6 }
7 float add(float a, float b)
8 {
9     return a + b;
10 }
11 int main()
12 {
13     int intResult = add(5, 10);
14     float floatResult = add(3.5f, 7.2f);
15     cout << "Result of adding two integers: " << intResult <<
16     cout << "Result of adding two floating point numbers: " <<
17     return 0;
18 }
19
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\abhigna\Documents\9.opearator overload.exe  
- Output Size: 1.83267021179199 MiB  
- Compilation Time: 2.78s

Line: 16 Col: 84 Sel: 0 Lines: 19 Length: 412 Insert Done parsing in 0.078 seconds

C:\Users\abhigna\Documents\9.opearator overload.exe

```
Result of adding two integers: 15
Result of adding two floating point numbers: 10.7

-----
Process exited after 0.1969 seconds with return value 0
Press any key to continue . . .
```

C:\Users\abhigna\Documents\10.opearator overload.cpp - [Executing] - Dev-C++ 5.11

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(globals)

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

[\*] 7.opeartor overload.cpp 8.operator ov

```
1  #include <iostream>
2  using namespace std;
3  class MyNumber
4  {
5  private:
6      int number;
7  public:
8      MyNumber() : number(0) {}
9      MyNumber(int num) : number(num) {}
10     MyNumber& operator+=(const MyNumber& other)
11     {
12         this->number += other.number;
13         return *this;
14     }
15     void display()
16     {
17         cout << "Number: " << number << endl;
18     }
19 };
20 int main()
```

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\10.opearator overload.exe  
- Output Size: 1.83328056335449 MiB  
- Compilation Time: 1.94s

Line: 17 Col: 41 Sel: 0 Lines: 29 Length: 537 Insert Done parsing in 0.171 seconds

C:\Users\abhigna\Documents\10.opearator overload.exe

```
Result after adding: Number: 15
-----
Process exited after 0.1951 seconds with return value 0
Press any key to continue . . .
```



C:\Users\abhigna\Documents\7.opearator overload.cpp - [Executing] - Dev-C++ 5.11

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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

```
1 #include <iostream>
2 using namespace std;
3 class FunctionCaller
4 {
5 public:
6     void operator()(int arg1, int arg2)
7     {
8         myFunction(arg1, arg2);
9     }
10 private:
11     void myFunction(int a, int b)
12     {
13         cout << "Called myFunction with arguments: " << a << " and " << b << endl;
14         cout << "Result: " << a + b << endl;
15     }
16 };
17 int main()
18 {
19     FunctionCaller caller;
20     caller(3, 4);
21     return 0;
```

Compiler Resources Compile Log Debug Find Results Close

C:\Users\abhigna\Documents\7.opearator overload.exe

```
Called myFunction with arguments: 3 and 4
Result: 7

-----
Process exited after 0.1975 seconds with return value 0
Press any key to continue . . .
```

About Compilation

☐ Shorten compiler paths

Compilation results...

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\7.opearator overload.exe
- Output Size: 1.83313941955566 MiB
- Compilation Time: 1.83s
```

Line: 21 Col: 1 Sel: 0 Lines: 23 Length: 438 Insert Done parsing in 0.125 seconds

C:\Users\abhigna\Documents\8.operator overload.cpp - [Executing] - Dev-C++ 5.11

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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.oper

```
1 #include <iostream>
2 using namespace std;
3 class MyNumber
4 {
5 private:
6     int number;
7 public:
8     MyNumber() : number(0) {}
9     MyNumber(int num) : number(num) {}
10    MyNumber operator-(const MyNumber& other)
11    {
12        MyNumber result;
13        result.number = this->number - other.number;
14        return result;
15    }
16    void display()
17    {
18        cout << "Number: " << number << endl;
19    }
20 };
21 int main()
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\abhigna\Documents\8.operator overload.exe  
- Output Size: 1.83348274230957 MiB  
- Compilation Time: 1.70s

Line: 18 Col: 41 Sel: 0 Lines: 30 Length: 598 Insert Done parsing in 0.063 seconds

C:\Users\abhigna\Documents\8.operator overload.exe

Result of subtraction: Number: 5

-----  
Process exited after 0.2031 seconds with return value 0  
Press any key to continue . . .