

//Example of Binary (+) operator overloading

```
#include <iostream>
```

```
using namespace std;
```

```
class complex
```

```
{
```

```
public:
```

```
    int real;
```

```
    int img;
```

```
    complex()
```

```
    {
```

```
        real=0;
```

```
        img=0;
```

```
    }
```

```
    complex(int r, int i)
```

```
    {
```

```
        real=r;
```

```
        img=i;
```

```
    }
```

```
    void getComplex()
```

```
    {
```

```
        cout<<real<<"+"<<img<<"i";
```

```
    }
```

```
    complex operator +(complex c)
```

```
    {
```

```
        complex t;
```

```
        t.real=real+c.real;
```

```
        t.img=img+c.img;
```

```
        return t;
```

```
    }
```

```
};
```

```
int main()
```

```
{
```

```
    complex c1(2,3),c2(4,5),c3;
```

```
    c3=c1+c2;
```

```
    c3.getComplex();
```

```
    return 0;
```

```
}
```

Out Put:

D:\SEMESTERS\Semester-July-2020\C++\Examples\operatorOverloadingEx\bin\Debug\ope

6+8i

Process returned 0 (0x0) execution time : 0.297 s

Press any key to continue.

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