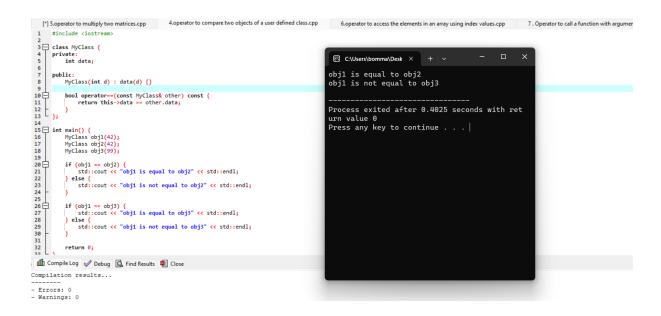
1. Write a c++ program to overload the ++ operator to increment a variable

```
increasent ( substance of the substance of a user defined of u
```

2. Write a c++ program to overload the + operator to add two variables

3. Write a c++ program to overload the << operator to print contents of a user defined class

4. Write a c++ program to overload the == operator to compare two objects of a user defined class



5. Write a c++ program to overload the * operator to multiply two matrices

```
5. Operator to multiply two matrices.cpp 4. Operator to compare two objects of a user defined class.c
                                                                                                                                                                                                                  I a function with arguments
© C:\Users\bomma\Desktop\c+ × + ∨
                                                                                                             Matrix 1:
             int count = 1;
for (int i = 0; i < 2; ++i) {
   for (int j = 0; j < 3; ++j) {
      matl(i, j) = count++;
}</pre>
                                                                                                             Matrix 2:
                                                                                                            Result of multiplication:
22 28
49 64
             count = 1;
for (int i = 0; i < 3; ++i) {
   for (int j = 0; j < 2; ++j) {
      mat2(i, j) = count++;
}</pre>
                                                                                                            Process exited after 0.4199 seconds with return value 0 Press any key to continue . . . \mid
            std::cout << "Matrix 1:" << std::endl;
matl.display();
std::cout << "Matrix 2:" << std::endl;
mat2.display();</pre>
            Matrix result = mat1 * mat2;
            std::cout << "Result of multiplication:" << std::endl;
result.display();</pre>
 d Compile Log 

✓ Debug 

Find Results 

Close
Compilation results...
```

6. write a c++ program to overload the [] operator to access the elements in an array using index values

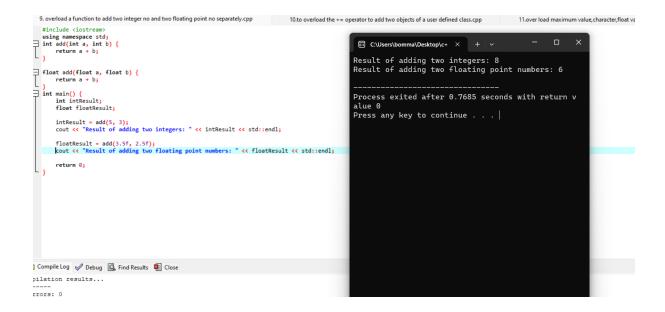
```
3 class MyArray {
                                                                                                                      ©\ C:\Users\bomma\Desk × + \
         private:
int* arr;
int size;
                                                                                                                     arr[0] = 1
arr[1] = 2
arr[2] = 3
arr[3] = 4
arr[4] = 5
         public:
               MyArray(int sz) : size(sz) {
    arr = new int[size];
    for (int i = 0; i < size; ++i) {
        arr[i] = i + 1;
    }</pre>
  9 |
10 |
11 |
                                                                                                                     After modification, arr[2] = 100
Attempting to access out of bounds:
Error: Index out of bounds
  12
13
14
15
 int& operator[](int index) {
   if (index >= 0 && index < size) {
      return arr[index];</pre>
                                                                                                                     Process exited after 0.6963 seconds with ret
                   return arr[Index],
} else {
    std::cerr << "Error: Index out of bounds" << std::endl;
    exit(1);
                                                                                                                     Press any key to continue . . . \mid
es 🕼 Compile Log 🤣 Debug 🗓 Find Results 🛍 Close
 Compilation results...
 - Errors: 0
 - Warnings: 0
 - Output Filename: C:\Users\bomma\Desktop\c++\Operator overloding\6.operator to access the elements in an array using index values.exe
```

7. Write a c++ program to overload the () to call a function with arguments

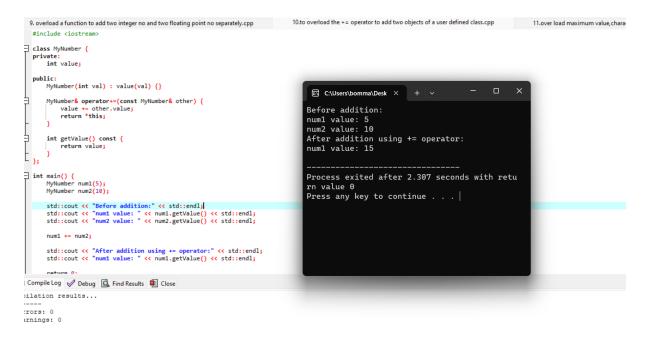
8.write a c++ program to overload the - operator to subtract two variables

```
9. overload a function to add two integer no and two floating point no separately.cpp
                                                                                                                                                                                                                                          n value, character, float va
                                                                                                           © C:\Users\bomma\Desktop\c+ × + ∨
  4.operator to compare two objects of a user defined class.cpp 6.operator to access the
                                                                                                                                                                                                                                       8. Operator using subtract
    #include <iostream>
                                                                                                           Object 1:
Value: 20
Object 2:
Value: 10
Result of subtraction:
Value: 10
class Subtract {
private:
int value;
     public:
         Subtract() : value(0) {}
Subtract(int val) : value(val) {}
          Subtract operator-(const Subtract& other) {
    Subtract result;
    result.value = this->value - other.value;
    return result;
                                                                                                           Process exited after 2.289 seconds with return value 0 Press any key to continue . . . \mid
void display() {
   std::cout << "Value: " << value << std::endl;</pre>
int main() {
Subtract obj1(20);
Subtract obj2(10);
          std::cout << "Object 1:" << std::endl;
obj1.display();|
std::cout << "Object 2:" << std::endl;
obj2.display();</pre>
          Subtract result = obj1 - obj2;
          etd-cout // "Decult of subtractions" // etd-condi-
🖟 Compile Log 🤣 Debug 🗓 Find Results 🍇 Close
mpilation results...
Valings: Users\bomma\Desktop\o++\Operator overloding\8
Jutput Size: 1.83398056030273 MiB
```

9.write a c++ program to overload a function to add two integer numbers and two floating point number separately



10.Write a c++ program to overload the += operator to add two objects of a user defined class

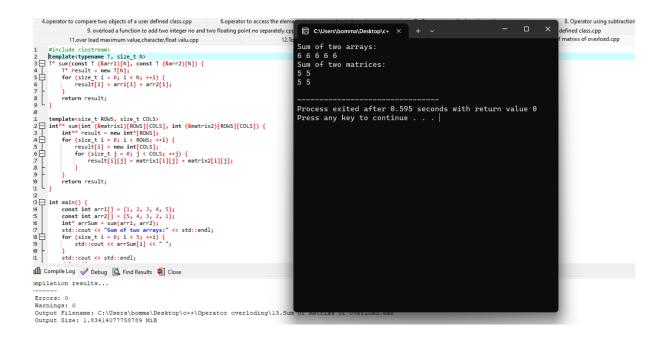


11.write a c++ program to overload a function to find the maximum value from two integer numbers and two floating point number, and two characters separately

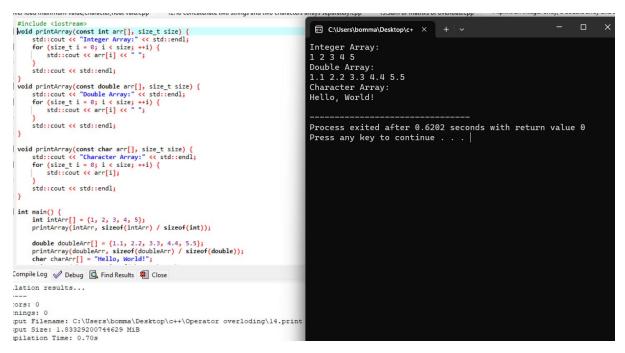
12.write a c++ program to overload a function to concatenate two strings and two characters arrays separately

```
#include <cstrings
| #include <cstrings |
| #
```

13.write a c++ program to overload a function to calculate the sum of two matrices and two arrays separately



14. write a c++ program to overload a function to print an integer array, a double array and a character array separately



15. write a c++ program to overload a function to find a factorial of an integer number and factorial of a floating-point number separately

```
| Soverload find a factorial of an integer number and factorial of a floating-point.cpp | 15. overload find a factorial of an integer number and factorial of a floating-point.cpp | 15. overload find a factorial of an integer number and factorial of a floating-point.cpp | 15. overload find a factorial of an integer number and factorial of a floating-point.cpp | 15. overload find a factorial of an integer number and factorial of a floating-point.cpp | 15. overload find a factorial of an integer number and factorial of a floating-point.cpp | 15. overload find a factorial of an integer number and factorial of a floating-point.cpp | 15. overload find a factorial of an integer number and factorial of a floating-point.cpp | 15. overload find a factorial of an integer number and factorial of a floating-point.cpp | 15. overload find a factorial of an integer number and factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of an integer number and factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of an integer number and factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15. overload find a factorial of a floating-point.cpp | 15.
```

16. write a c++ program to overload a function to sort an integer array and a double array

17. write a c++ program to overload a function to calculate the power of an integer number and power of a floating-point number separately

```
| 1.5.wm of matrixs of overload.cpp | 15.5.wm of matrixs of overload.cpp | 15.0.wm of matrixs of overload.cpp | 16.5.wm of matrixs of overload.cpp | 16.5.wm of matrixs of overload.cpp | 16.5.wm of matrixs of overload a function to sort an integer array and a double array | 1.5.wm of matrix of control to sort an integer array and a double array | 1.5.wm of control to sort an integer array and a double array | 1.5.wm of control to sort an integer array and a double array | 1.5.wm of control to sort an integer array and a double array | 1.5.wm of control to sort an integer array and a double array | 1.5.wm of control to sort an integer array and a double array | 1.5.wm of control to sort an integer array and a double array | 1.5.wm of control to sort an integer array and a double array | 1.5.wm of control to sort an integer array and a double array | 1.5.wm of control to sort an integer array and a double array | 1.5.wm of control to sort an integer array and a double array | 1.5.wm of control to sort an integer array and a double array arr
```

18. write a c++ program to overload a function to find an absolute value of an integer number and absolute value of a floating-point number separately