

Answer on Question #46709, Programming, C++

Problem.

Write a c++ program to overload constructors to perform string initialization,string copy,string concatenation.

Solution.

In C++ all operation is already overloaded in <string> header.

Code

```
#include <iostream>
#include <string> // for string objects and operators reloading

using namespace std;

int main() {
    // Initialization
    string text1("Hello, ");
    string text2("world!");
    cout << text1 << endl;
    cout << text2 << endl;

    // String copy
    string text3 = text1;
    cout << text3 << endl;

    // String concatenation.
    text3 = text1 + text2;
    cout << text3 << endl;

    return 0;
}
```

Result

```
Hello,
world!
Hello,
Hello, world!
```