

## Lab assignments on friend function:

1. Write a program to swap the values two integer members of different classes using friend function.
2. Write a program for addition of two complex numbers using friend function (use constructor function to initialize data members of complex class).
3. Define a class string and overload `==` to compare two strings and `+` operator for concatenation of two strings.
4. Write a program to perform matrix addition using operator overloading concept.

<b>Matrix</b>
<b>a[100][100], m,n</b>
<b>void getdata()</b> <b>void show()</b> <b>matrix operator+(matrix &amp;x,matrix &amp;y)</b>

5. Write a program to maintain the records of person with details (name and age) and find the eldest among them. The program must use this pointer to return the result.
6. Write a C++ program to count the number of persons inside a bank, by increasing count whenever a person enters a bank, using an increment(`++`) operator overloading function, and decrease the count whenever a person leaves the bank using a decrement(`--`) operator overloading function inside a class
7. Write a program to accept the student detail such as name and 3 different marks by `get_data()` method and display the name and average of marks using `display()` method. Define a friend class for calculating the average of marks using the method `marrk_avg()`.