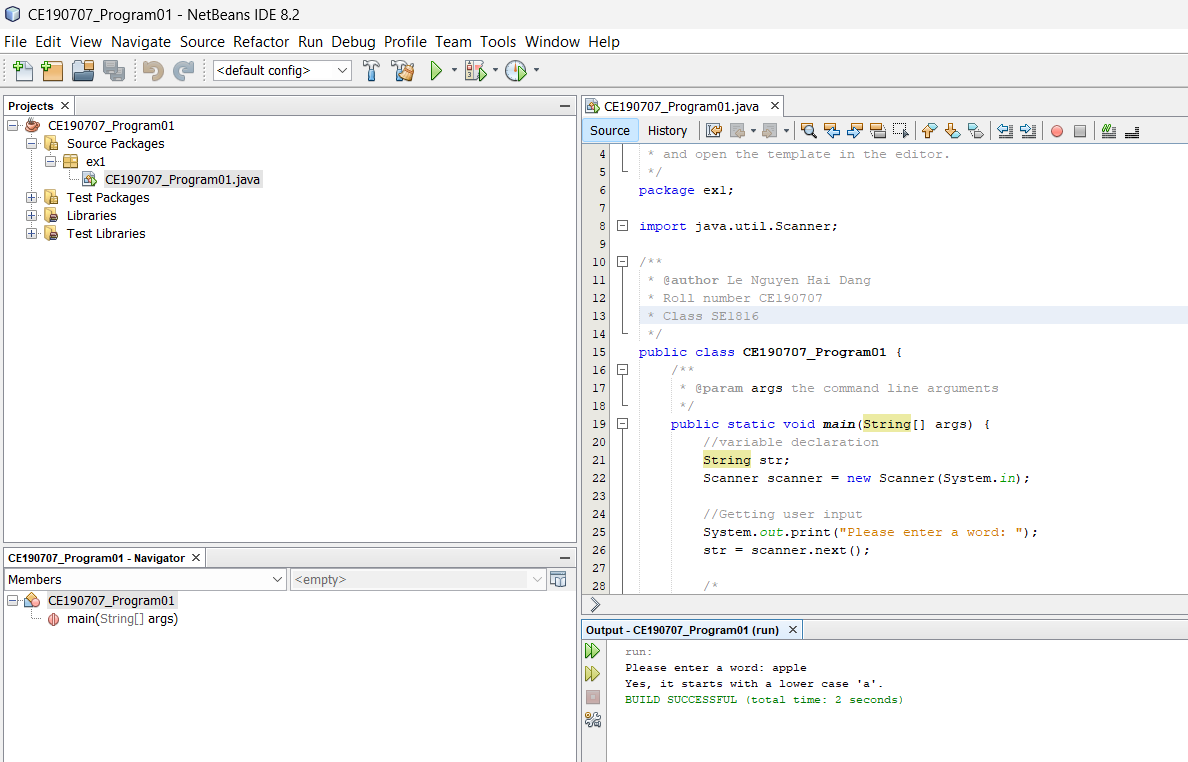
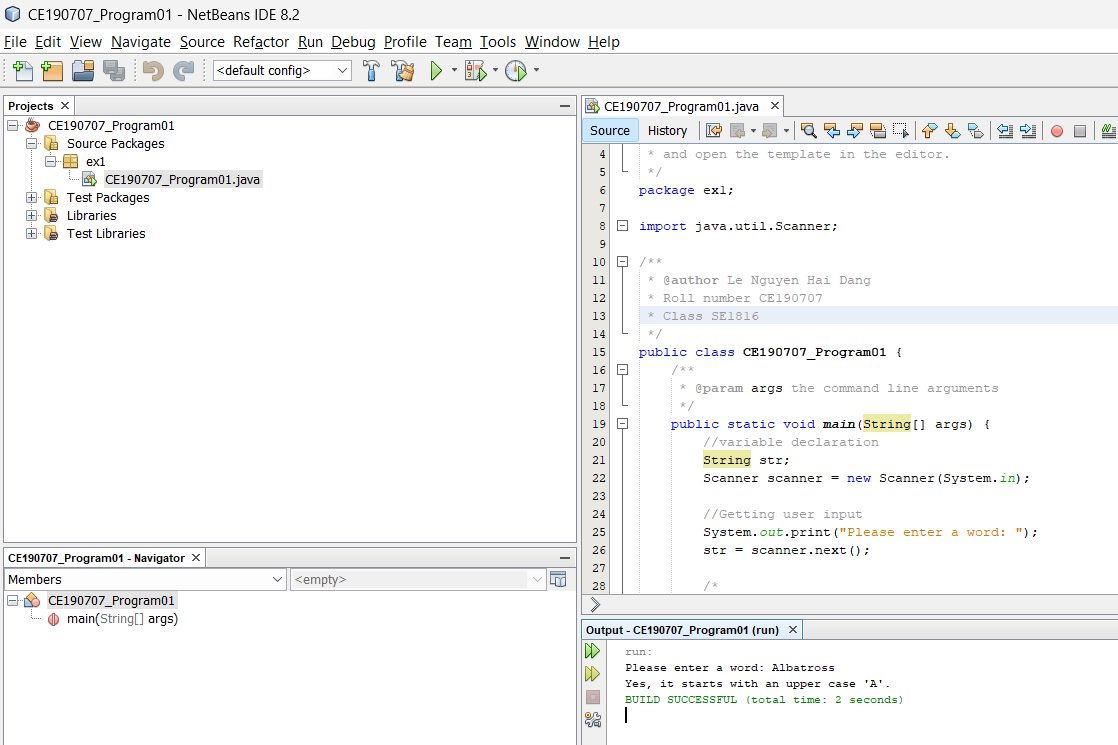
Program 1:

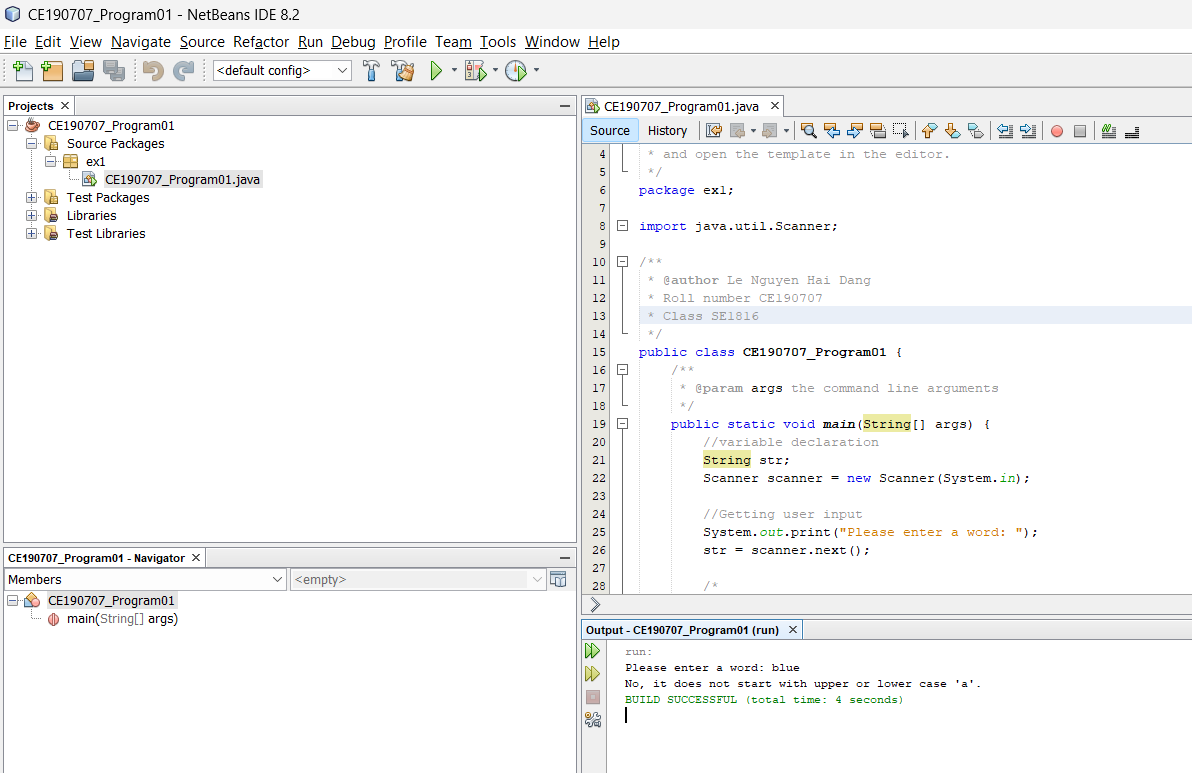
Test case 1:



Test case 2:

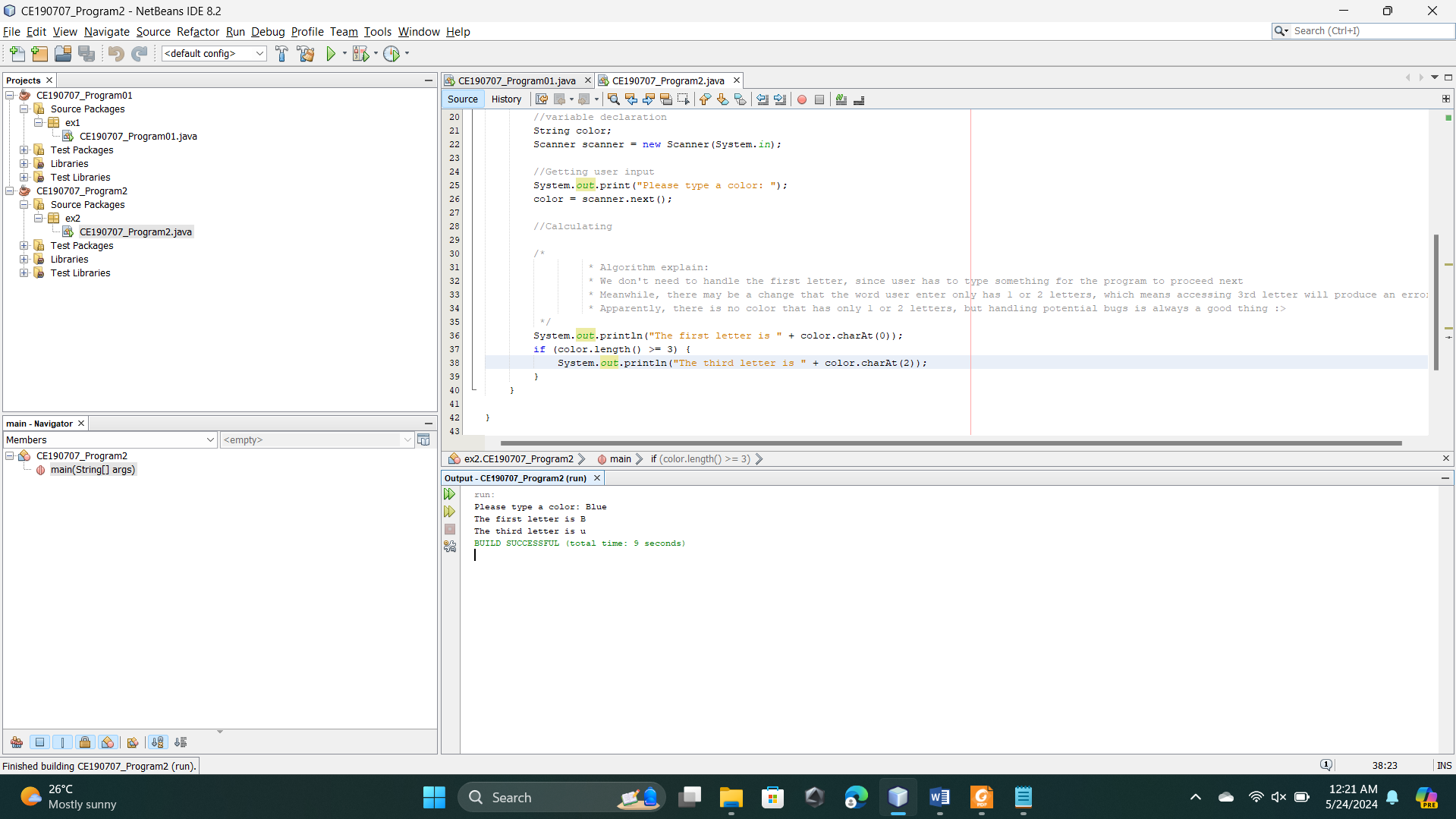


Test case 3:

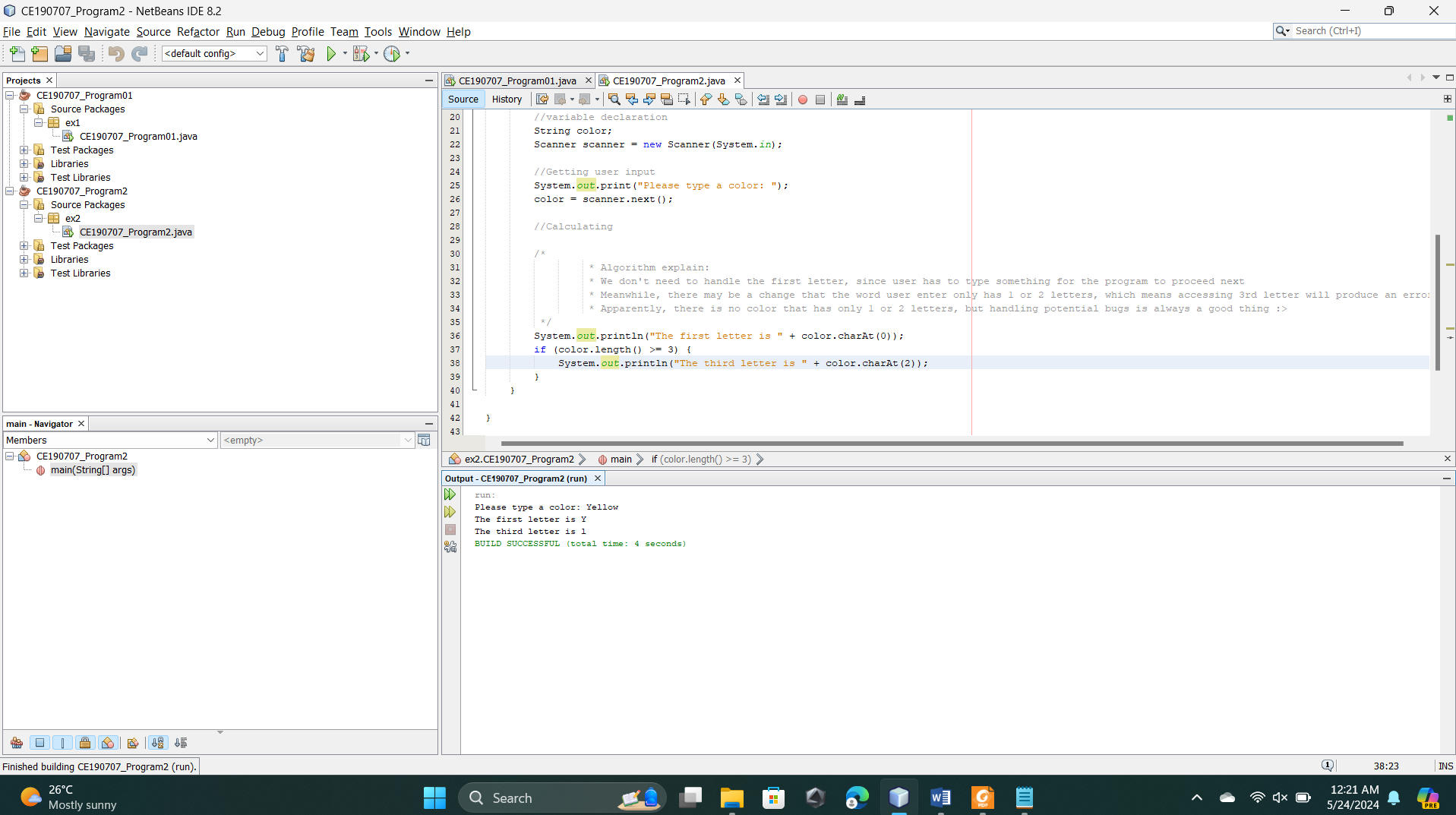


Program 2:

Test case 1:

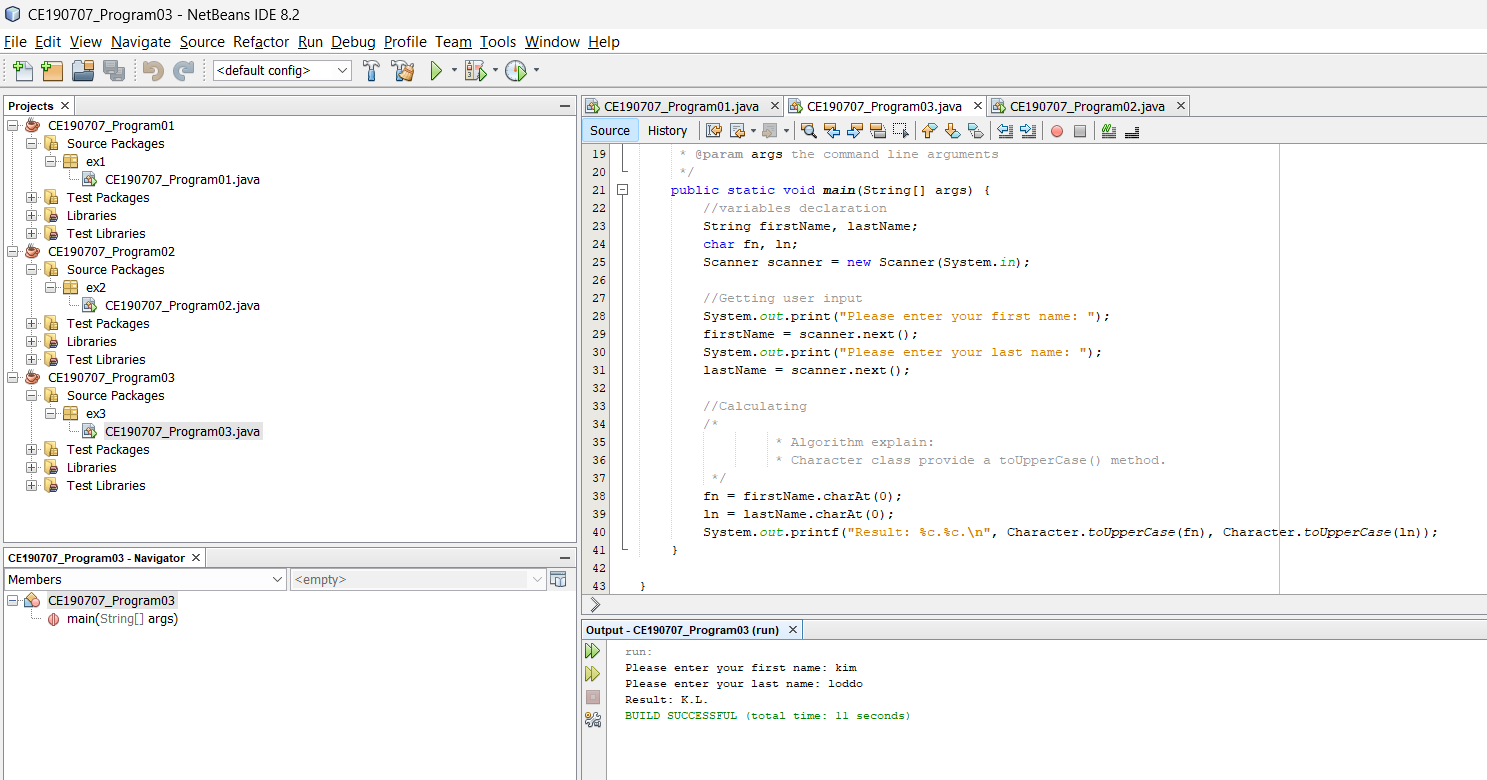


Test case 2:

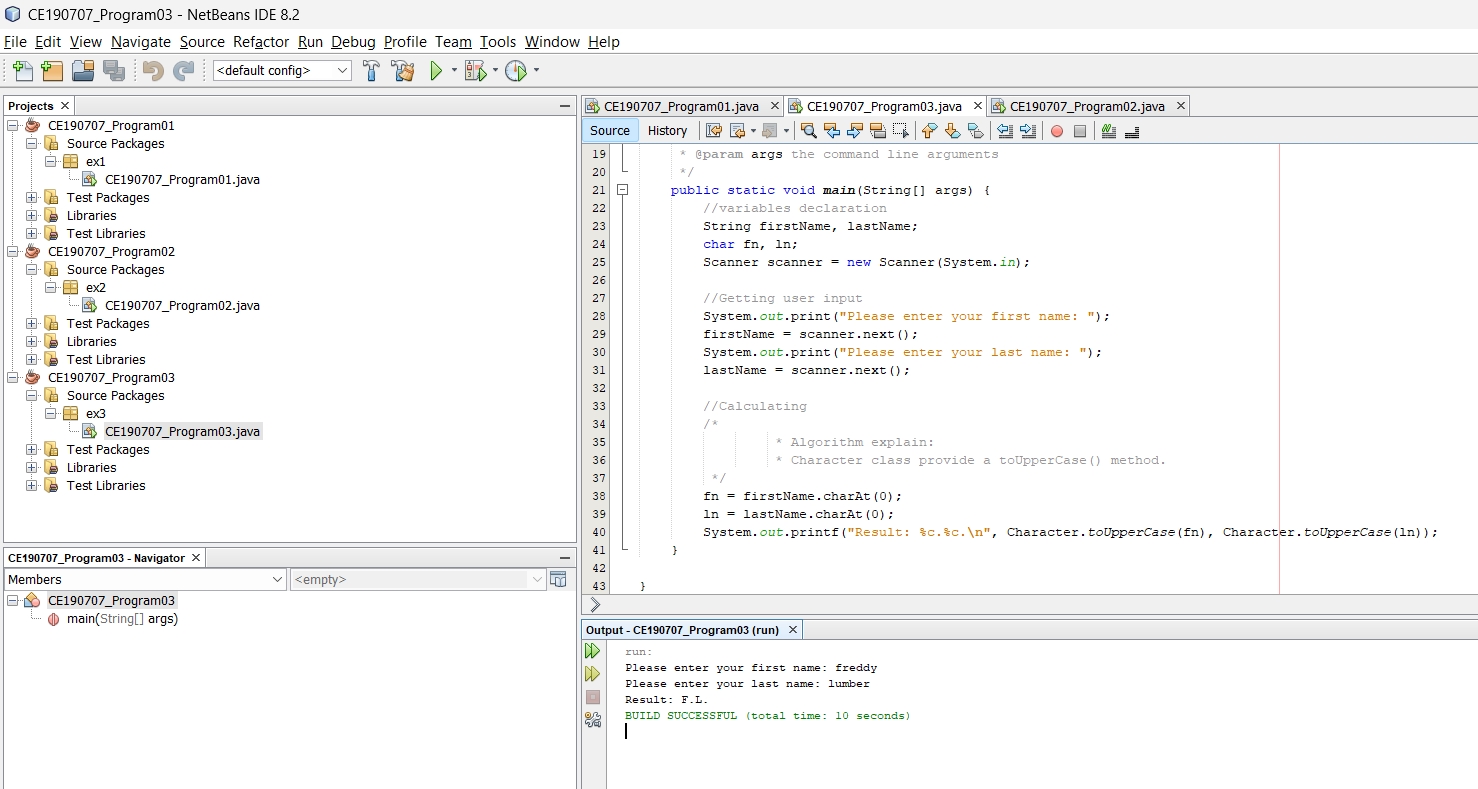


Program 3:

Test case 1:

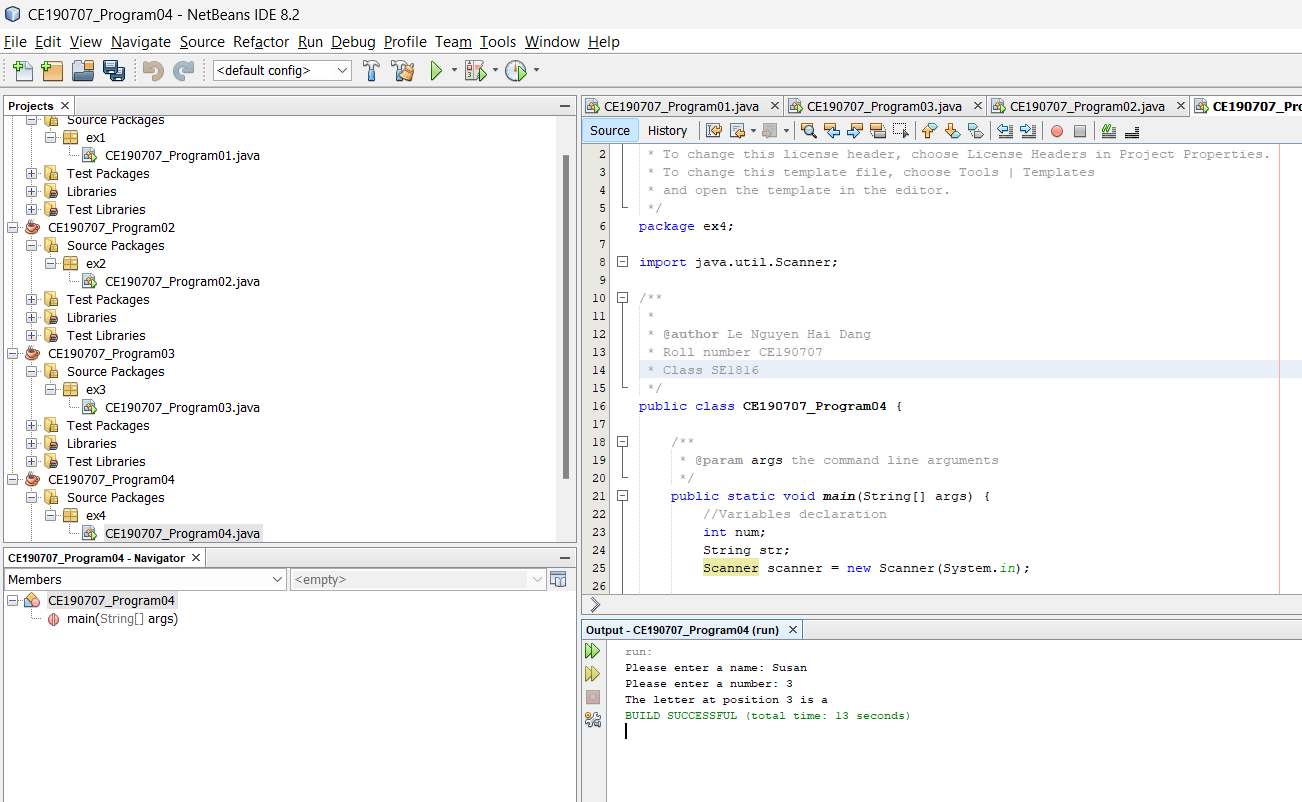


Test case 2:

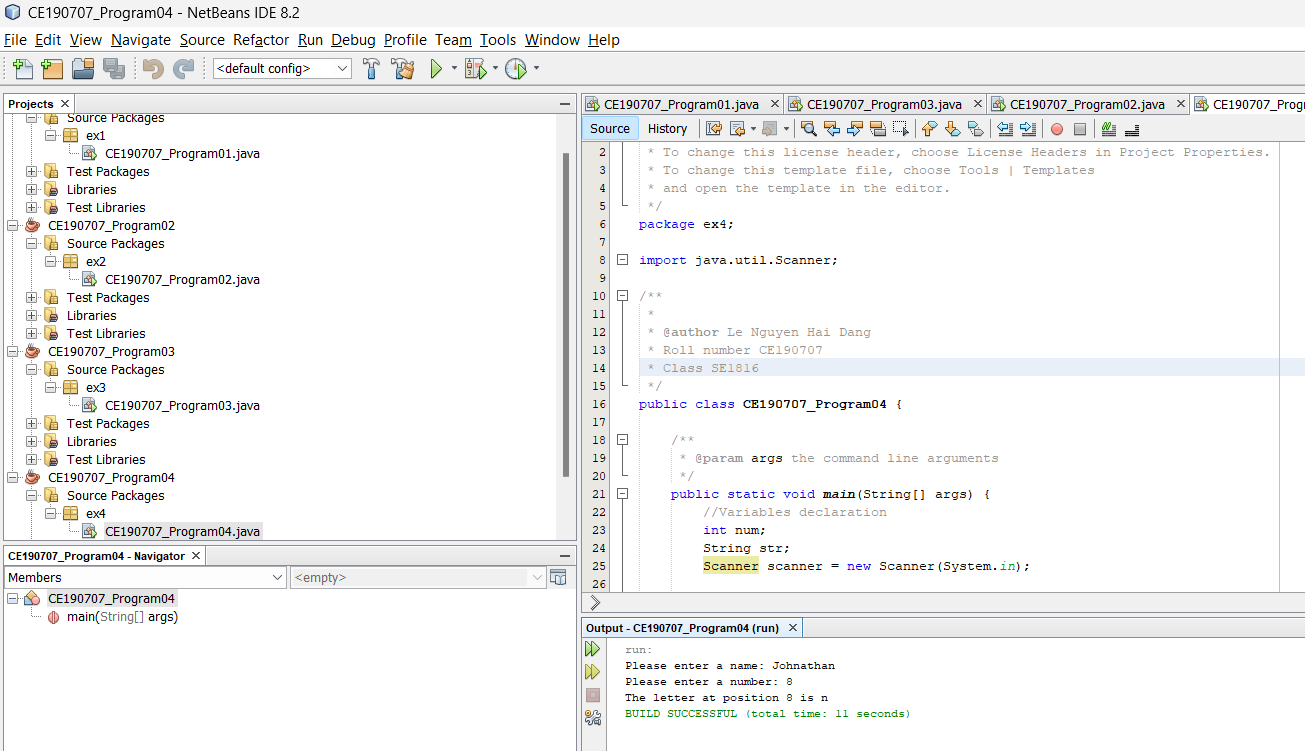


Program 4:

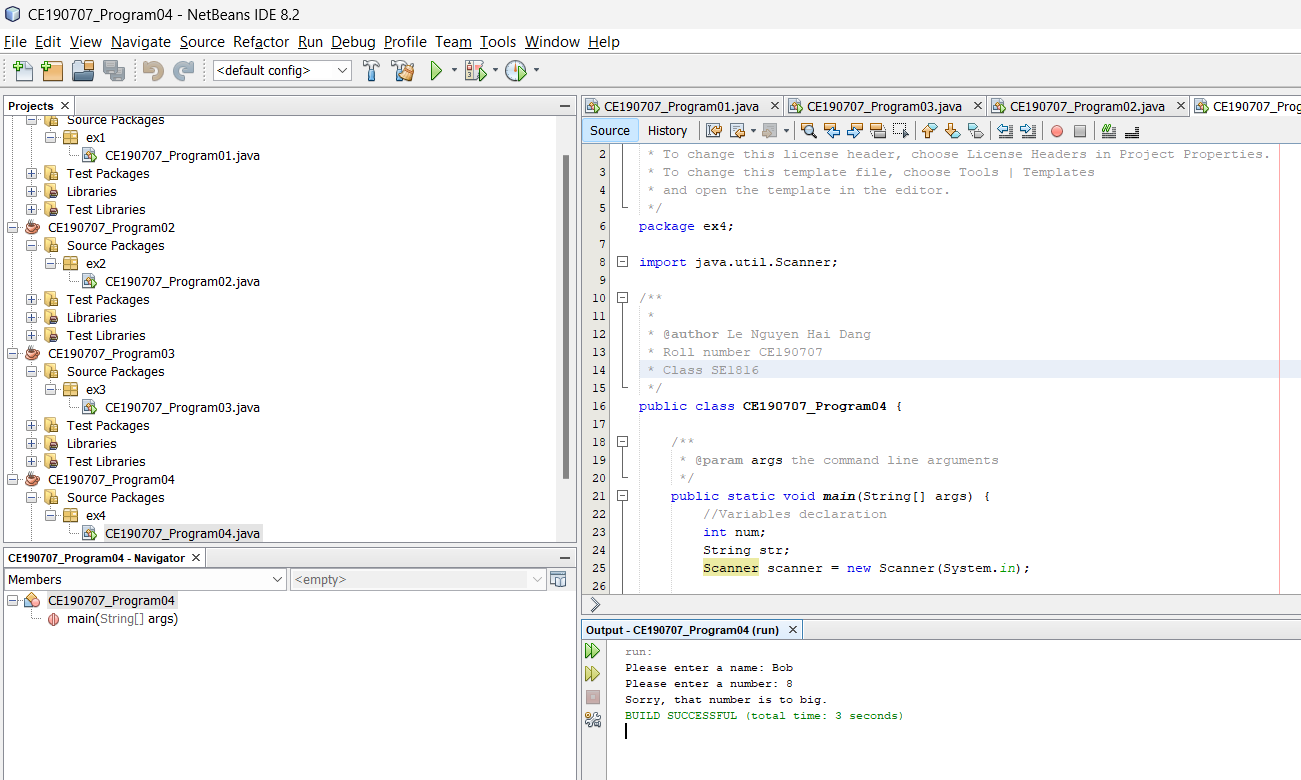
Test case 1:



Test case 2:

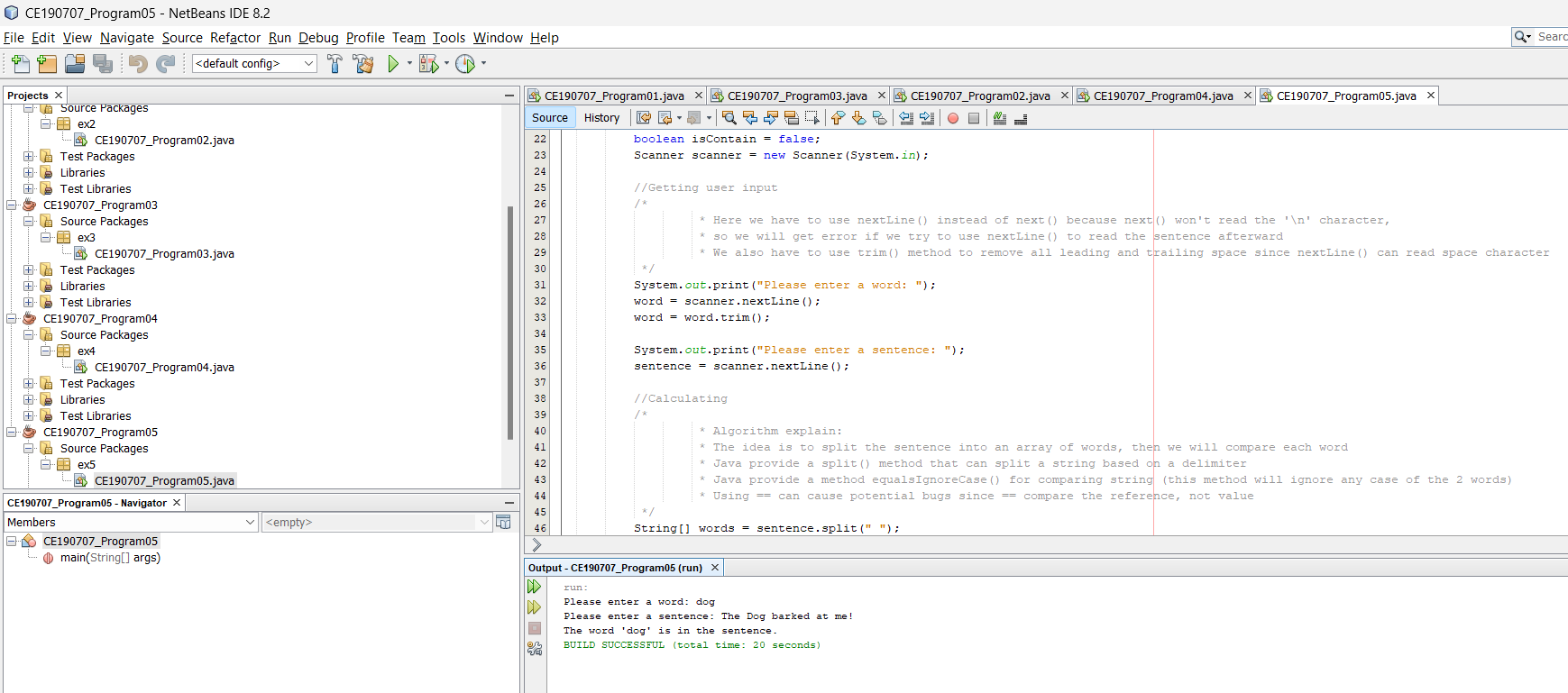


Test case 3:

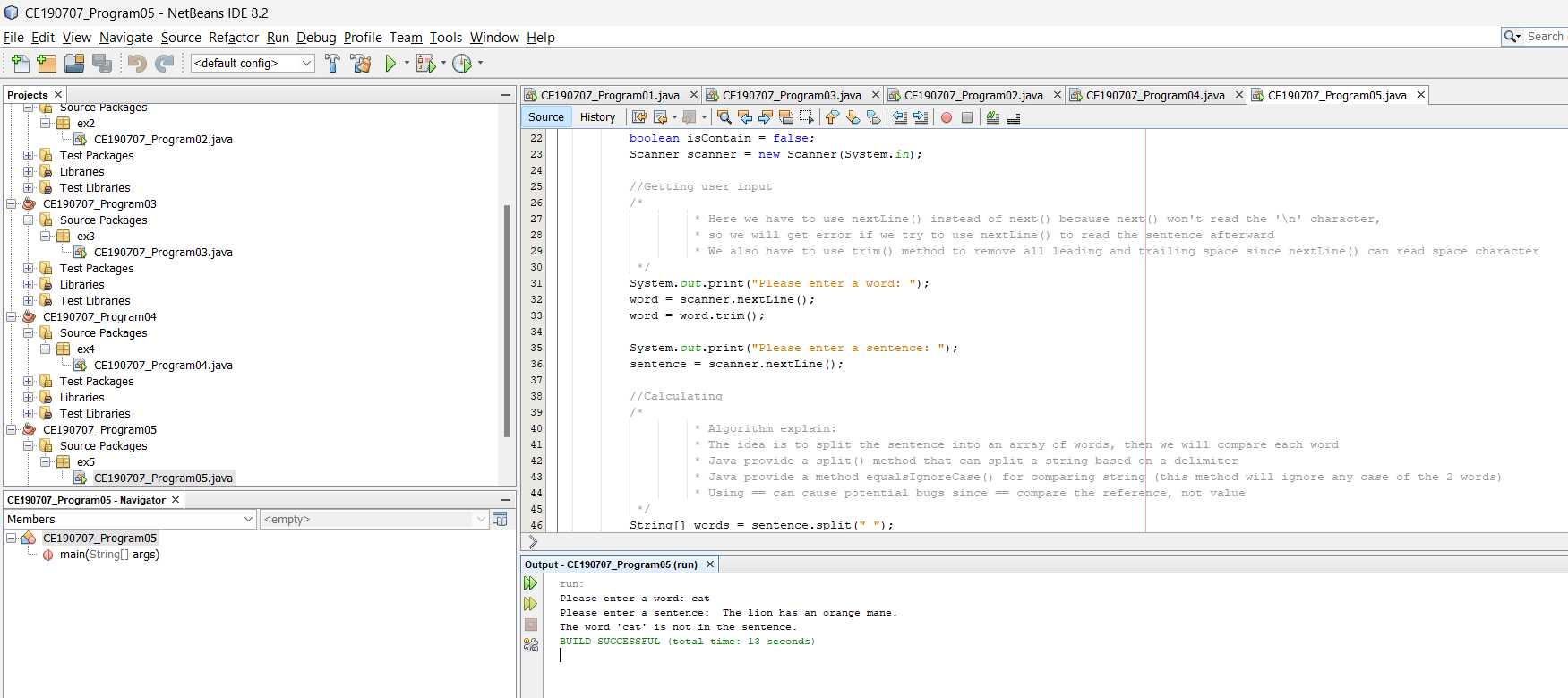


Program 5:

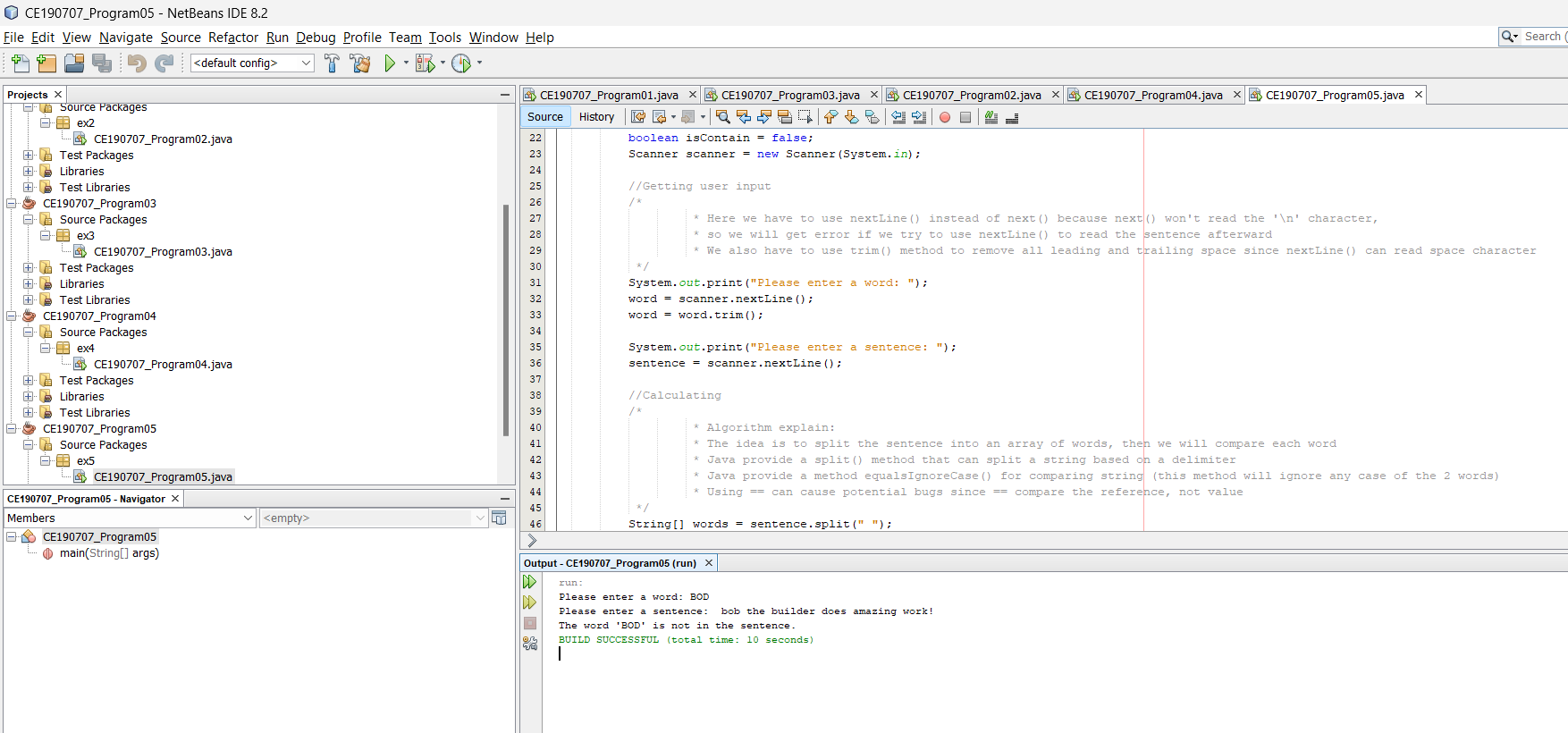
Test case 1:



Test case 2:

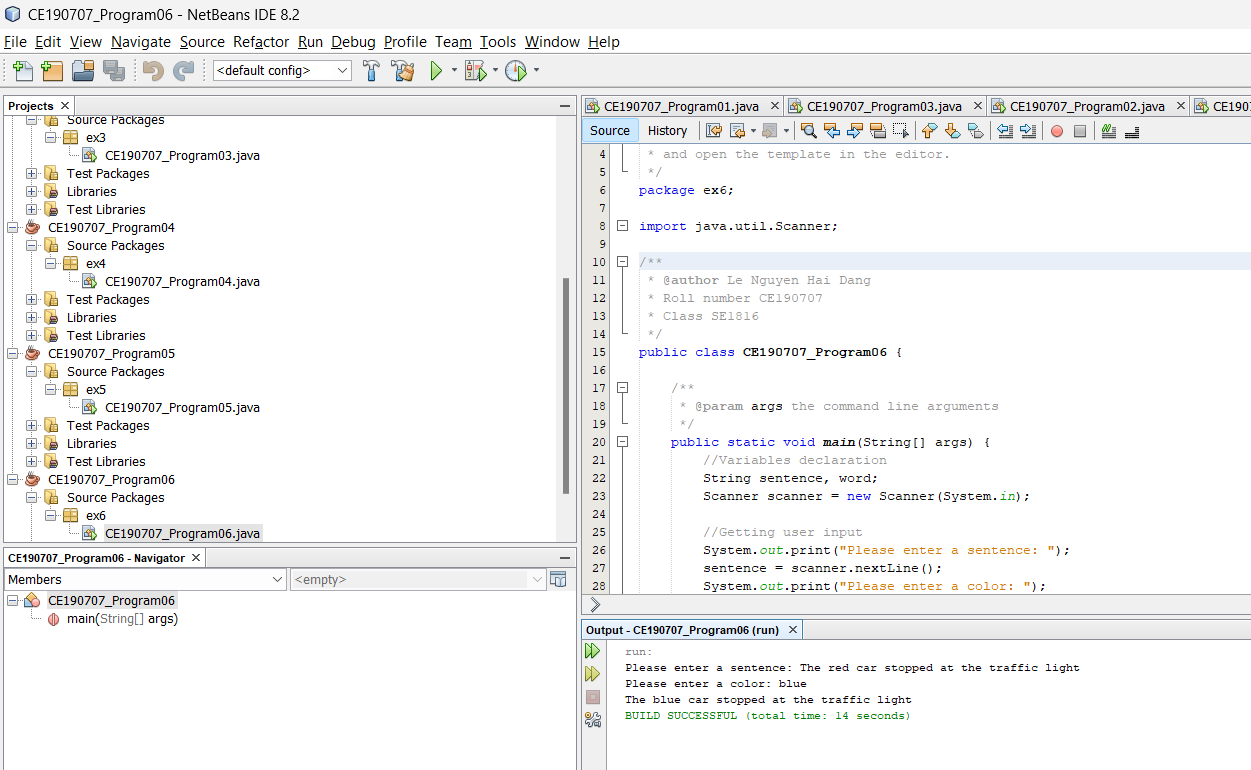


Test case 3:

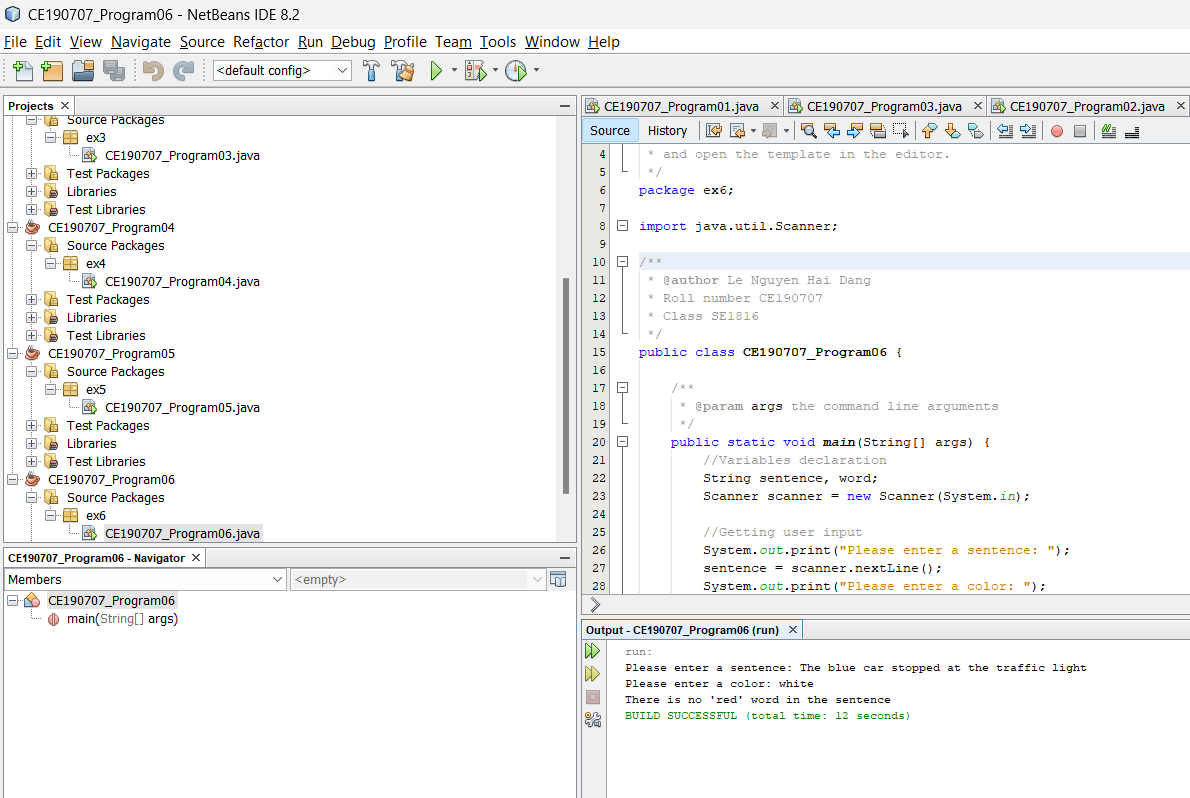


Program 6:

Test case 1:

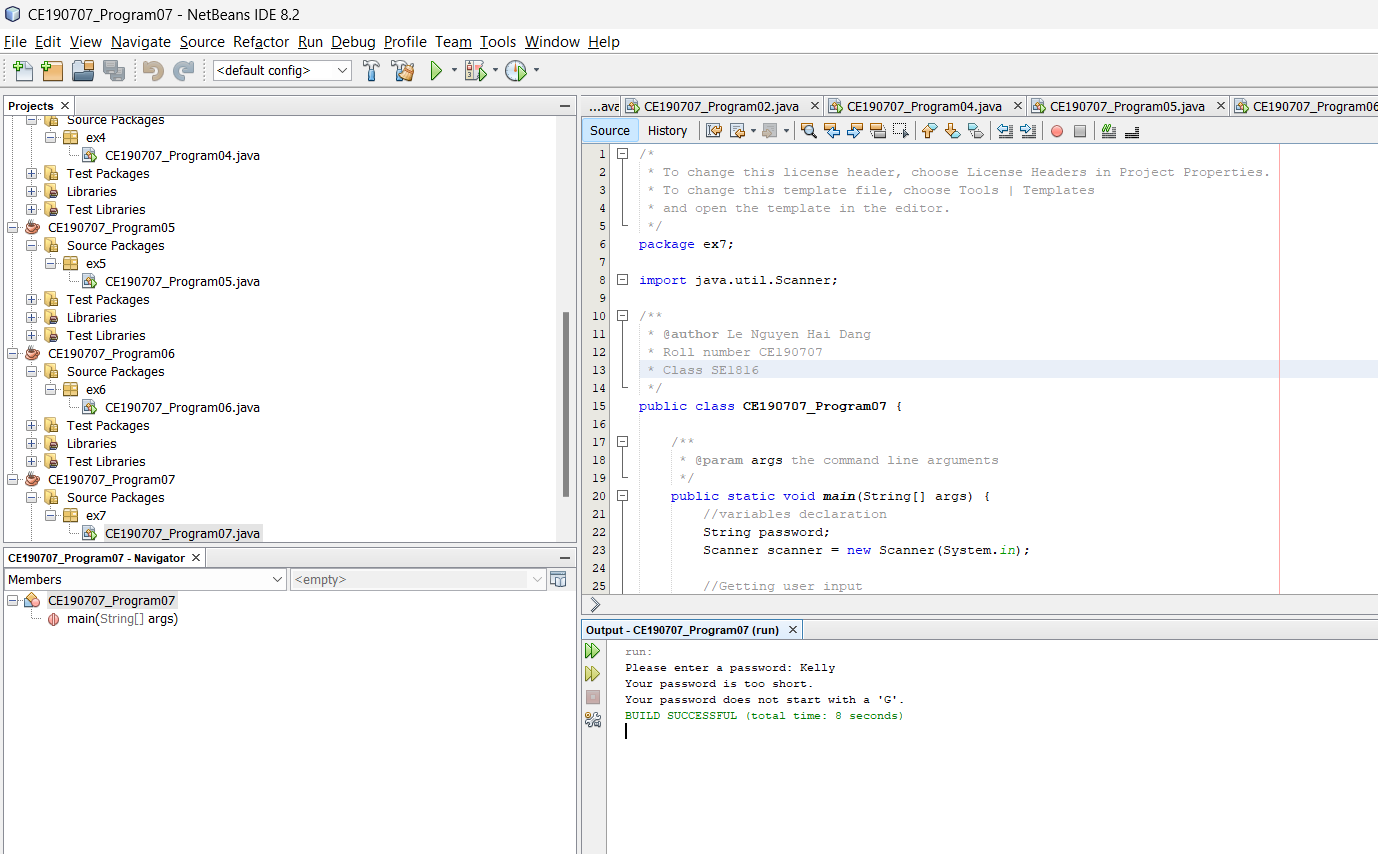


Test case 2:

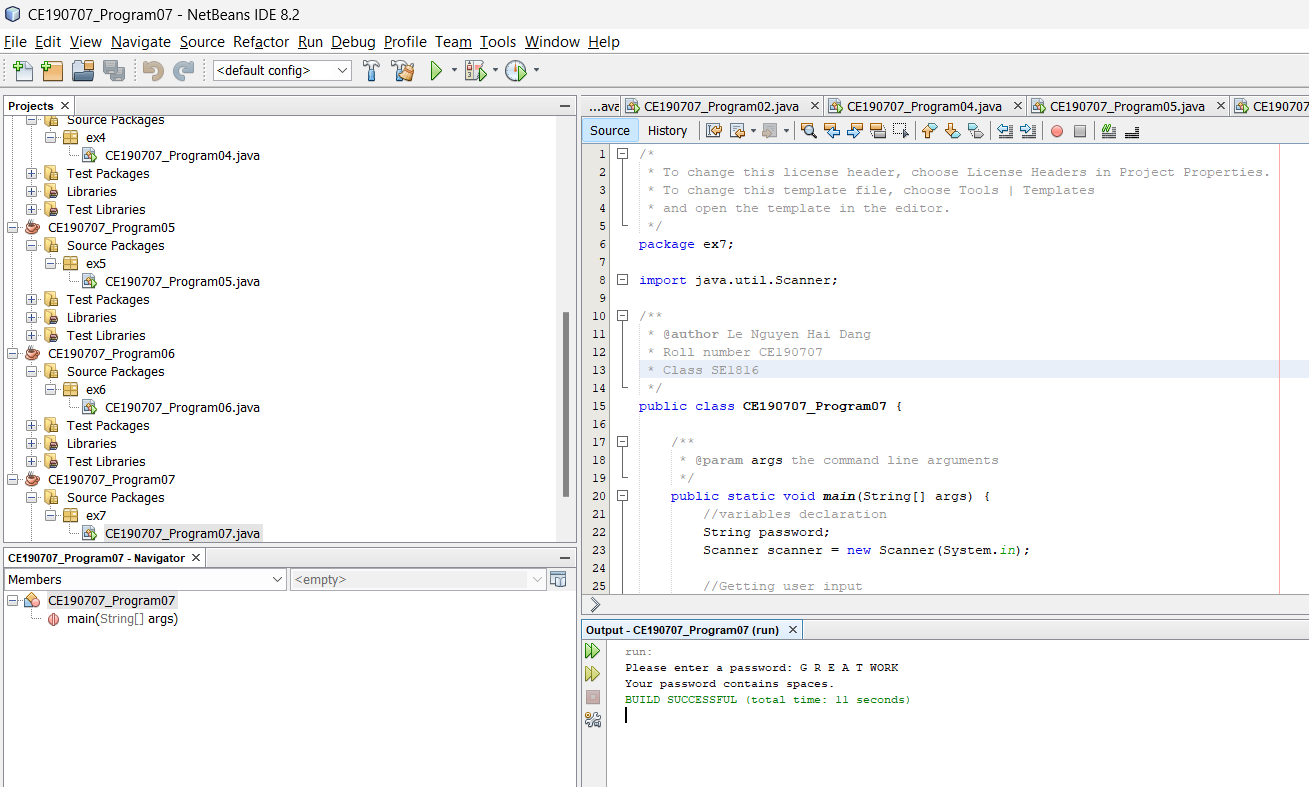


Program 7:

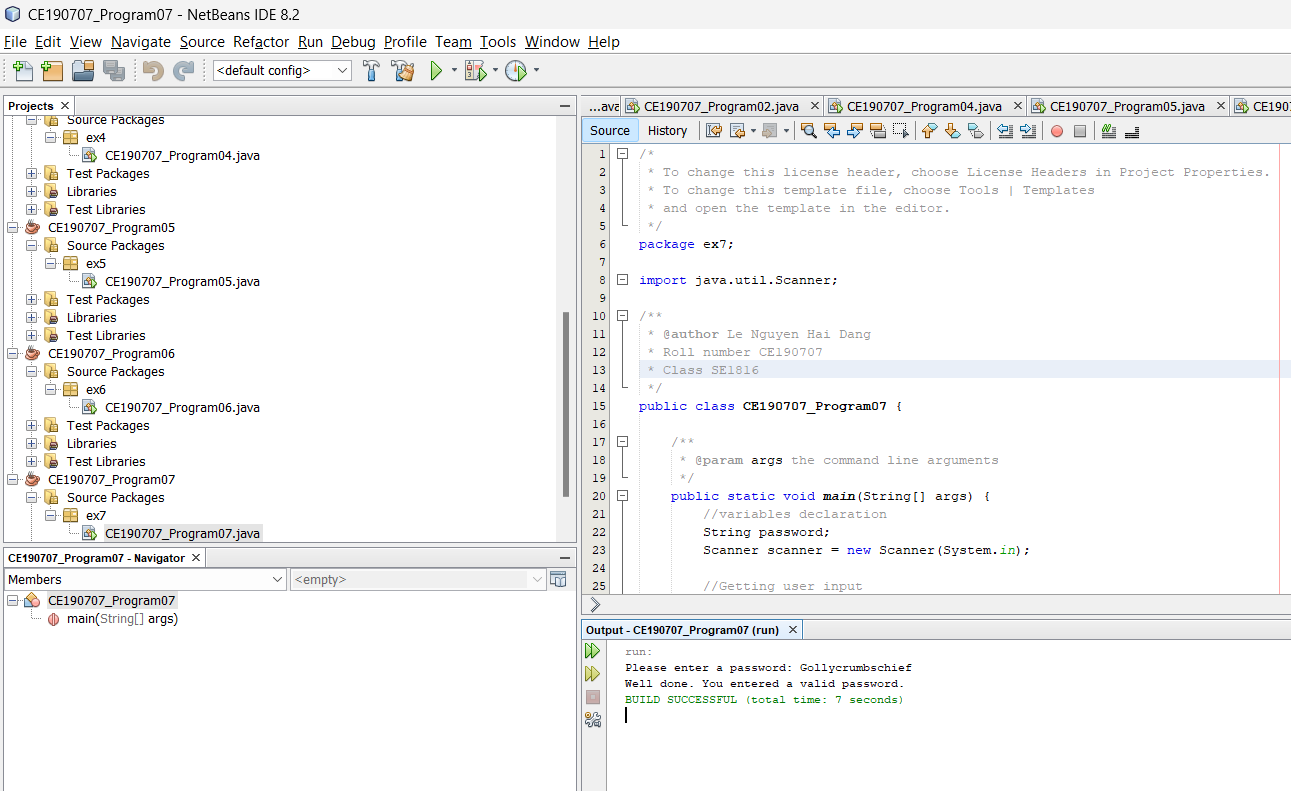
Test case 1:



Test case 2:

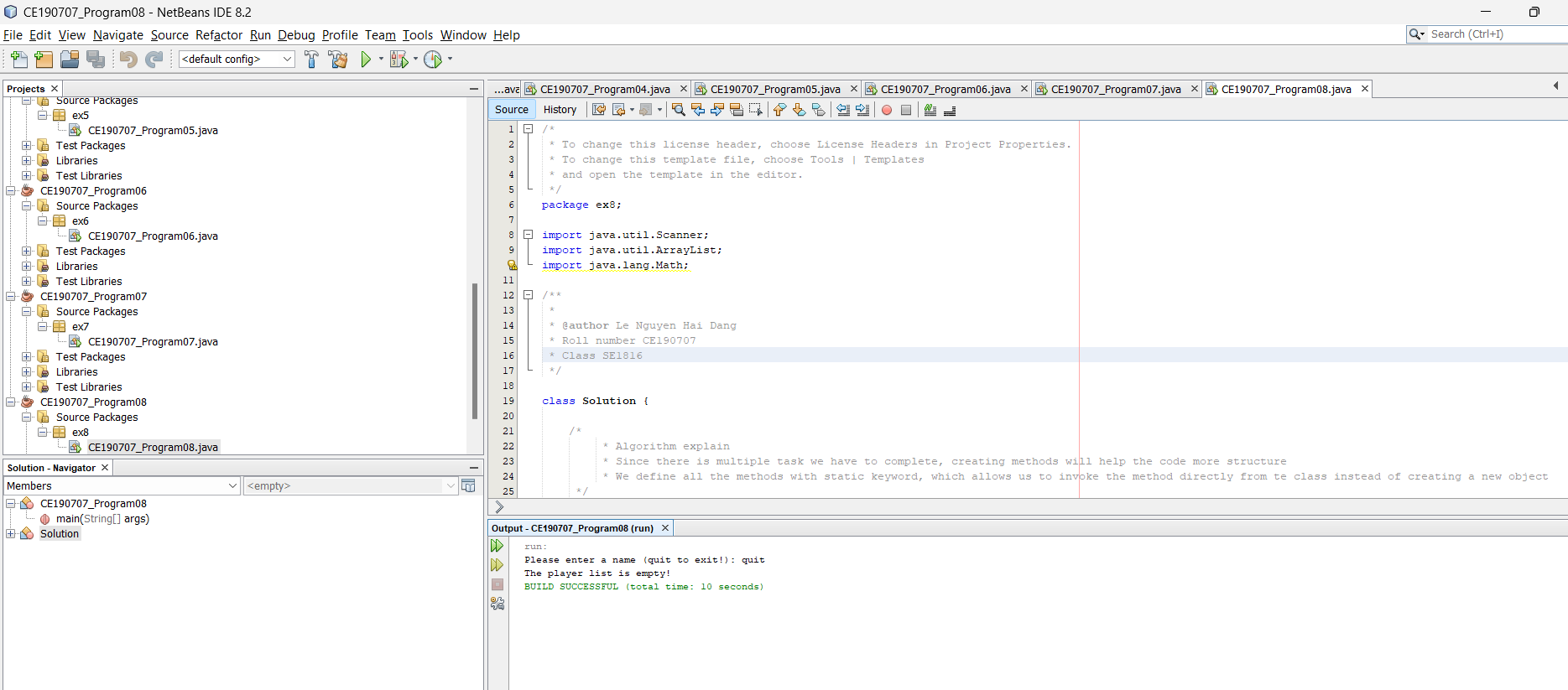


Test case 3:



Program 8:

Test case 1:



Test case 2:

