CSC 212 Tutorial #6 Stack

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Important: This tutorial has an online part, which you should complete on the LMS.

Problem 1

}

```
public static<T> void replace (Stack<T> st, T x, T y) {
       Stack<T> temp = new Stack<T>();
       while(!st.empty()) {
               T e = st.pop();
               if(e.equals(x))
                      e = y;
               temp.push(e);
       while(!temp.empty()) {
               T e = temp.pop();
               st.push(e);
Problem 2
public static<T> void insertAfter(Stack<T> st, int i, T e) {
       Stack < T > temp = new Stack < T > ();
       int c = 0;
       while(!st.empty()) {
               T x = st.pop();
               temp.push(x);
               if(c == i)
                      temp.push(e);
               c++;
       while(!temp.empty()) {
               T x = temp.pop();
               st.push(x);
```

Problem 3

```
public static<T> void removeLast(Stack<T> st) {
    Stack<T> temp = new Stack<T>();

    while(!st.empty())
        temp.push(st.pop());

    if(!temp.empty())
        temp.pop();

    while(!temp.empty())
        st.push(temp.pop());
}
```