Homework 10

All the following assignments are selected from Gaddis edition 7. The purpose is that you practice with **stakes**. First do the reading assignment; Section 18.1-18-3 (pages 1071-1084). Run your code, submit the output and code too. Submit code in a separate, compliable file, do NOT include it in your pdf or text file.

1. Programming challenges 18.2. Dynamic Stack Template, page 1108[2 points].
2. Programming challenges 18.11. Balanced Multiple Delimiters, page 1109 [2 points].

2. Dynamic Stack Template

In this chapter you studied `DynIntStack`, a class that implements a dynamic stack of integers. Write a template that will create a dynamic stack of any data type. Demonstrate the class with a driver program.

11. Balanced Multiple Delimiters

A string may use more than one type of delimiter to bracket information into "blocks." For example, A string may use braces { }, parentheses ( ), and brackets [ ] as delimiters. A string is properly delimited if each right delimiter is matched with a preceding left delimiter of the same type in such a way that the either the resulting blocks of information are disjoint, or one of them is completely nested within the other. Write a program that uses a single stack to check whether a string containing braces, parentheses, and brackets is properly delimited.