**CS 3358 PROJECT 4ab**

**Project 4 Do both (a) and (b):**

**You may combine (a) and (b) into one main( )**

**or you may submit both 4(a) and 4(b) two separate programs together..**

1. **Static Stack**

**Create an array of student records (at least 10) and put all the related student records information in an array: Student Id, Name, Address and average**

**of test scores and a Pointer to the 10+ Test Scores (at least 10 scores).**

**-Display the student records in the array (do not display pointers).**

**-Push all student records from the array to a static stack.**

**-Pop 5 student records from the stack and display the popped records.**

**-Display the remaining student records in the static stack.**

1. **Dynamic Stack**

**Create an array of student records (at least 10) and put all the related student records information in an array: Student Id, Name, Address and average**

**of test scores and a Pointer to the 10+ Test Scores (at least 10 scores).**

**-Display the student records in the array (do not display pointers).**

**-Push all student records from the array to a dynamic stack.**

**(Backward chaining in dynamic stack)**

**-Pop 5 student records from the dynamic stack and display the popped records.**

**-Display the remaining student records in the dynamic stack.**

**(Please note that 15, 10, 5 are just examples. You need to use loops to handle both programs**.)

(You must use Stack Class definition.)

( You must use pointer variables. You are not allowed to use STL container, or something similar.)