PIC 10A Disc 5A Midterm Review Worksheet

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_

1. Assume you’ve already written code to make two strings called haystack and needle. Write code that finds the last instance of needle in haystack, represented as follows: the index where the longest repeated sequence begins, and the index *one after* the end of that copy of needle. (So if needle is “ab” and haystack “nabmabc”, you should say that the last instance starts at index 4 and ends just before index 6.)
*Hint: loop over the indices for haystack. For each index, loop until you find a mismatch in needle.*
2. Your solution to #1 probably involved two loops, one of which compared part of a string to needle. Now extract the body of that loop to a separate function, called strComp:
3. Define a new class:
class strView { public: int start, end; };
Make strComp operate on objects of type strView.
4. Now make strComp a member function of strView.