Quiz #1

Name:

READ THE QUESTIONS CAREFULLY!!! DO NOT WASTE TIME DOING MORE THAN IS ASKED FOR.

This question is based on question number 7, on page 153. In this question, and throughout the course, when I use the term *string*, I am referring to an `apstring`.

1. Write the function **declaration** for a function that takes four `apstring`s as parameters and returns an `apstring`. Name the function `JoinStrings`.

2. Implement the function `JoinStrings` so that it computes a new `apstring` that is the result of concatenating the four `apstring` parameters, using the `*` character to separate them. As an example, if the four parameters are `"this"`, `"is"`, `"a"`, `"test"`, then `JoinStrings` returns the new string that represents `"this*is*a*test"`.

3. Write a `main` program, with any `#include` directives that you need, that prompts the user to enter four strings, reads the four strings, and then outputs the result of calling `JoinStrings` on those four strings.