This quiz is to be taken **by yourself** with closed books, closed notes, no calculators.

1. Consider the following program. Identify the scope/visibility of the marked parts of the program with the corresponding letter from the list below.

   A) The Entire Program including Other Source Files
   B) This Source File (and No Other Source Files)
   C) The Function `foo2()`
   D) The Function `foo1()`

   ```c
   #include <stdio.h>
   #define SIZE 5
   long fellow; ______
   static int cling = 420; ______
   int
   foo1( char grade ) ______ ______
   {     (foo1) (grade)
       static int array[SIZE]; ______
       int result = 420; ______
       /* Other code here */
   }
   int
   foo2( int array[], int size ) ______ ______ ______
   {        (foo2) (array) (size)
       int result; ______
       static int teaTime = 420; ______
       /* Other code here */
   }
   ```

   How many times is the variable `result` in `foo1()` initialized to 420 if `foo1()` is called 5 times? ______ times

   How many times is the variable `teaTime` in `foo2()` initialized to 420 if `foo2()` is called 5 times? ______ times

   What is the initial value of variable `result` in function `foo2()` when `foo2()` is called? ________________

   What is the initial value of variable `fellow` when this program is run? ________________

   (continued on other side)
2. Consider the following strings variable definitions.

```c
char s1[] = " love";
char s2[] = "to program!";
char s3[] = "I am, therefore ...";
char s4[80];
strcpy( s4, "CSE 5A!" );
```

What gets printed?

```c
printf( "%c", s2[5] );
printf( "%d", strlen( s1 ) );
printf( "%d", sizeof( s4 ) );
```

Fill in the blanks to complete the following tasks:

/* The resulting output is "CSE 5A! loves you" in a single printf() statement. */
`printf( "%____%____%____", __________, __________, ___________ );`;

/* Change the '!' in string s2 to '?' */
`_________________ = '?';`;

/* Change 't' in string s3 to 'T' without explicitly assigning the value 'T' */
`_________________ = _________________________ ; /* Cannot have 'T' here! */`
For example, you CANNOT do something like:     blahblahblah = 'T';

3. What question would you like to see on the Final Exam?