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

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

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

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

How many times is the variable result in foo1() initialized to 420 if foo1() is called 5 times? ______ times
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", s4[2] );  
printf( "%d", strlen( s4 ) );  
printf( "%d", sizeof( s1 ) );
```

Fill in the blanks to complete the following tasks:

/* Change 'A' in string s4 to 'a' without explicitly assigning the value 'a' */
```c
__________ = ______________;  /* Cannot have 'a' here! */
```

For example, you CANNOT do something like:  `blahblahblah = 'a';`

/* Change the ',' in string s3 to '!' */
```c
__________ = '!' ;
```

/* The resulting output is "I love CSE 5A!" in a single printf() statement. */
```c
printf( "%____ %____ %____", _________, _________, _________ );
```

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