

Student ID \_\_\_\_\_

CSE 5A

Name \_\_\_\_\_

Quiz 3

Signature \_\_\_\_\_

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cs5a \_\_\_\_\_

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

1. What gets printed in the following block of statements?

```
#define SIZE 8

int i;
int array[SIZE] = { -1, 1, 3, 4, 6, 2, 11, 5 };

for ( i = 0; i < SIZE; i = i + 2 )
    printf( "%d\n", array[i] );
```



2. What gets printed?

```
#include <stdio.h>

int function1( int times, char ch );

void
main( void )
{
    int i = 10;
    int result;
    char j = '5';

    result = function1( i, j );

    printf( "%d\n", result );
}

int
function1( int times, char ch )
{
    int i;

    if ( times < 5 )
        printf( "Give me %c!\n", ch );
    else
        printf( "High %c!\n", ch );

    return (times + times);
}
```



(continued on other side)

### 3. What gets printed?

```
#include <stdio.h>

#define SIZE 5

int function2( int array[], int size );

void
main( void )
{
    int array[SIZE] = { 0, 3, 5, 2, 6 };
    int result;

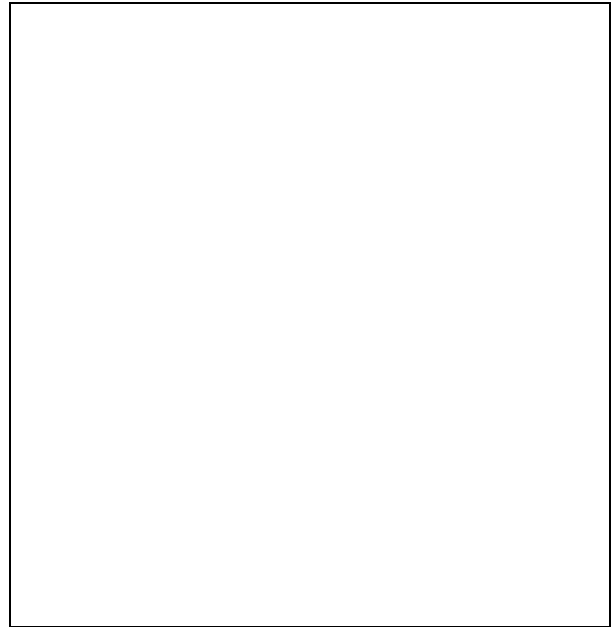
    result = function2( array, SIZE );

    printf( "%d\n", result );
}

int
function2( int array[], int size )
{
    int i;
    int result = 0;

    for ( i = 0; i < size; ++i )
    {
        result = result + array[i];
        printf( "%d\n", result );
    }

    return result;
}
```



Use the following to answer the questions below:

- Function Prototype
- Local Variable
- Return Type
- Function Definition
- Parameter

What is the `int` in front of `function2()`?

What is `i` in `function2()`?

What is `size` in `function2()`?