

# Unit 3

## Programming in C

### Test Review

#### What will the test look like?

- Multiple Choice (a,b,c,d or T/F)
- Short Answer
- A desk check
- “Find the errors”
- Program – Fill in the blanks

## Multiple Choice

Number questions....

Ex:  $3 / 2 = ?$

- A. 2
- B. 1
- C. 1.5
- D. 1.0

## Multiple Choice

Declaration questions....

Ex: Best declaration for the number of balloons at a party?

- A. `double numBalloons;`
- B. `numBalloons VAR int`
- C. `int b;`
- D. `int numBalloons;`

## Multiple Choice

Code questions....

Ex: Which will produce the output  
"Mr. Emmell likes 42"

- A. `printf("Mr. Emmell likes %f",42);`
- B. `printf("Mr. %s likes %i%i","Emmell",4,2);`
- C. `printf("Mr. Emmell %c","likes 42");`
- D. `printf("Mr. Emmell likes %i",7*8);`

## Multiple Choice

True / False questions....

```
double a = 5.25, b = -5;  
int c = 10.5;
```

- |   |   |   |
|---|---|---|
| <code>(a &lt; b)</code>                     | T | F |
| <code>(a &gt; b &amp;&amp; c &gt; b)</code> | T | F |
| <code>(c == a*2)</code>                     | T | F |

## Multiple Choice

True / False questions....

```
double a = 5.25, b = -5;  
int c = 10.5;
```

(a < b)	T	<input checked="" type="radio"/> F
(a > b && c > b)	<input checked="" type="radio"/> T	F
(c == a*2)	T	<input checked="" type="radio"/> F

## Short Answer

- Declare a variable that...
- What is the output of the following...
- Write the first line of an IF statement that...

## Desk Check

```
int main() {
    int x, numbers[8];

    numbers[0] = 1;
    numbers[1] = 1;

    for (x=2; x<8; x++) {
        numbers[x] = numbers[x-1]+numbers[x-2];
    }

    for (x=0 ; x<8 ; x++) {
        printf("Position %i: %i\n",x,numbers[x]);
    }
}
```