

# Lab 7

## Testing

1. call your functions
2. print the expected and actual output

```
int addNumbers (int num1, int num2);

int main( ) {
    int sum = 0;

    sum = addNumbers(2, 3);

    printf ("Expected: 5\n");
    printf ("Actual: %d\n", sum);

    return 0;
}

int addNumbers (int num1, int num2) {
    return num1 + num2;
}
```

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**Pass By Value** — make a copy of your variable

**Pass By Reference** — point to the address of where your variable is stored in memory

Since strings are an array of characters they are passed by reference to a function. This means you are technically passing the address of the collection of characters to the function and not copying the variable like you would an integer.

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