

Name: _____

Lecture time: _____

CMSC 122 Quiz #4 (Alternate)

1. Fill in the body of the JavaScript function below. You must use a for-loop for this problem. The parameter `max` represents a positive integer. The function will return the product of all integers between 1 and `max`. **Failure to use a for-loop for this problem will result in a grade of 0.**

For example, if `max` is 4, then the return value would be 24 because $1 * 2 * 3 * 4 = 24$. Your function should work correctly for any positive integer, `max`.

```
function multiplier(max) {
```

```
    var product = 1;
```

```
    for (var i = 1; i <= max; i = i + 1) {
```

```
        product = product * i;
```

```
    }
```

```
    return product;
```

```
}
```

[MORE ON THE BACK PAGE...]

2. Fill in the body of the JavaScript function below. The parameter, `data`, represents an array of integers. The function will generate HTML that displays every fifth element from the array.

For example, if the array looks like this: `[7, 4, 2, 1, 8, 15, 5, 2, 1, 0, 73, 4, 8]`, then the web page should look like this:

7 15 73

```
function theFifthElement(data) {
```

```
    for (var i = 0; i <= data.length; i = i + 5) {  
        document.writeln(data[i]);  
    }
```

```
}
```