

# CSCI 112

## Friday, July 9, 2010

### Multidimensional Arrays

#### Example Code

##### **12x12 Multiplication Table**

```
for( int i = 1; i <= 12; i++ ){  
    for( int j = 1; j <= 12; j++ ){  
        System.out.printf( "%3d ", i * j );  
    }  
    System.out.println();  
}
```

##### **One Dimensional Array Definition**

```
datatype[] name = new datatype[size];
```

##### **Two Dimensional Array Definition**

```
datatype[][] name = new datatype[first_size][second_size];
```