**Lab Goal:** The lab was designed to teach you more about parameters.

**Lab Description:** Read in matrices and perform math operations on them.

## Sample Output:

```
How many matrices do you wish to enter? :: 3

What is the size of matrix 0 : 2

Enter a value for spot 0 - 0 :: 1

Enter a value for spot 0 - 1 :: 1

Enter a value for spot 1 - 0 :: 1

Enter a value for spot 1 - 1 :: 1

ThreeDRay before setting mat at spot 0

mat 0

mat 1

mat 2

ThreeDRay after setting mat at spot 0

mat 0

row 0 1 1

row 1 1 1

mat 1

mat 2
```

```
What is the size of matrix 1: 2
Enter a value for spot 0 - 0 :: 2
Enter a value for spot 0 - 1 :: 2
Enter a value for spot 1 - 0 :: 2
Enter a value for spot 1 - 1 :: 2
ThreeDRay before setting mat at spot 1
       row 0 1 1 row 1 1 1
mat 1
mat 2
ThreeDRay after setting mat at spot 1
mat 0
       row 0 1 1 row 1 1 1
mat 1
       row 0 2 2
       row 1 2 2
mat 2
```

## Files Needed:: ThreeDRay.java Lab03f.java

## **BONUS OPTION – Matrix Multiplication**

```
What is the size of matrix 2 : 3
Enter a value for spot 0 - 0 :: 3
Enter a value for spot 0 - 1 :: 3
Enter a value for spot 0 - 2 :: 3
Enter a value for spot 1 - 0 :: 3
Enter a value for spot 1 - 1 :: 3
Enter a value for spot 1 - 2 :: 3
Enter a value for spot 2 - 0 :: 3
Enter a value for spot 2 - 1 :: 3
Enter a value for spot 2 - 2 :: 3
ThreeDRay before setting mat at spot 2
          row 0 1 1
         row 1 1 1
mat 1
         row 0 2 2
row 1 2 2
mat 2
ThreeDRay after setting mat at spot 2
mat 0
          row 0 1 1
         row 1 1 1
mat 1
         row 0 2 2
row 1 2 2
mat 2
         row 0 3 3 3
row 1 3 3 3
row 2 3 3 3
```

Adding matrix at 0 and matrix at 1