## Johny Xiong

#### Task 1:

- 1.) The return type of method proc() is an int[][] which is a matrix.
- 2.) Line 2 is making the matrix point to a null object.
- 3.) We need to use try because we must read a file.
- 4.) Lines 4-7 read in the lines of the matrix.
- 5.) Line 7 is declaring the matrix "arr" to actually numbers in the file.
- 6.) A while loop can cause more mistakes while a for loop doesn't.
- 7.) Line 10 gets executed to the amount of rows there are.

#### Task 2:

- 1.) "arr2D.length" means the array length of arr2D
- 2.) "arr2D[0].length" means the length of the first row.
- 3.) "arr2D[i][j] + \t creates an index in accordance to the row "i" and the column "j"

### Survey:

- 1. M
- 2. Last Semester
- 3. A reasonable programmer
- 4. Moderately difficult
- 5. B+
- 6. Think carefully about what will be required and where you will need to focus your efforts.
- 7. I look carefully at it to locate potential bugs/errors
- 8. Try to solve the problem by yourself
- 9. I never installed the tool
- 10. 4, 4, 4, 4, 3, 3, 2, 4, 3
- 11. Yes

# 5.9.2

1.)

### int[][] dataVals = new int[4][7];

- 2.) 28
- 3.) 1000
- 4.) dataVals[4][2] = 99;