

A logic error occurred when trying to print out the full array of grades(Shown below)

```
Enter selection: 1
0.0 0.0
0.0 0.0
0.0 0.0
```

The error was found to be in the constructor, where I had forgotten to add the grade value to the two dimensional array.

```
//Constructor sets student and test numbers
public GradeBook_Mastery(int students, int tests) {
    int grade;
    student = students;
    test = tests;
    grades = new double[students][tests];
    for (int i = 0; i < students; i++) {
        for (int a = 0; a < tests; a++) {
            System.out.print("Enter the grade for student " + (i + 1) + " test " + (a + 1) + ": ");
            grade = userInput.nextInt();
        }
    }
}
```

This is a screenshot of the constructor after adding the missing code.(Final line before curly brackets)

```
//Constructor sets student and test numbers
public GradeBook_Mastery(int students, int tests) {
    int grade;
    student = students;
    test = tests;
    grades = new double[students][tests];
    for (int i = 0; i < students; i++) {
        for (int a = 0; a < tests; a++) {
            System.out.print("Enter the grade for student " + (i + 1) + " test " + (a + 1) + ": ");
            grade = userInput.nextInt();
            grades[i][a] = grade;
        }
    }
}
```

Screenshot of the functioning product(Small changes in appearance have been made since, but the functionality remains the same)

```
Enter selection: 1
75.0 85.0
99.0 100.0
65.0 55.0
```

(I would also like to formally apologize for not having error logs that met the desired specifications that I was made aware of on the morning of November 26 2024, I hope that this is more to the desired standard)