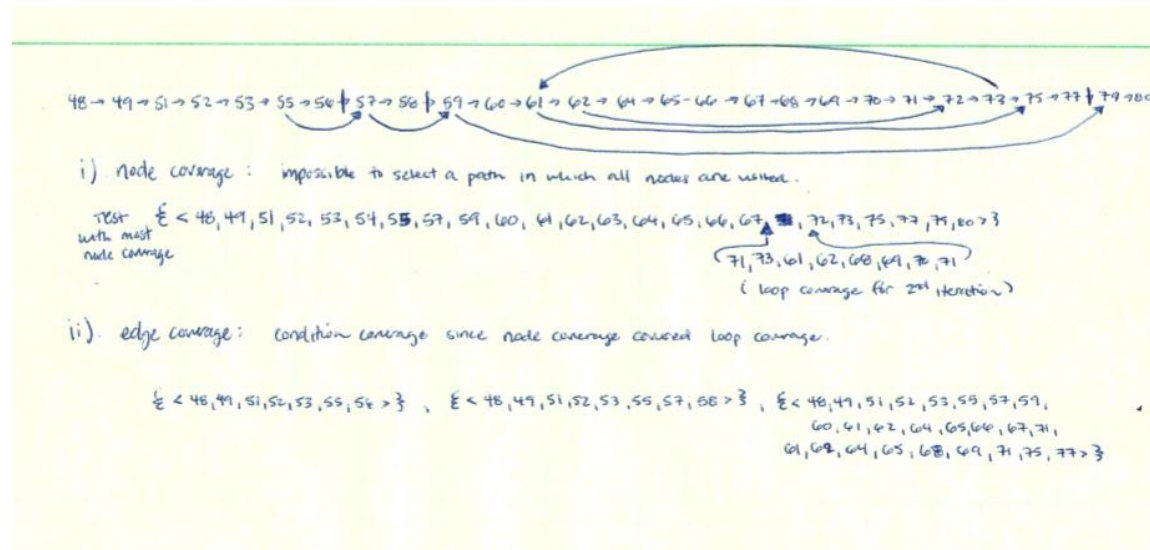


### Assignment 3:

Task 1:

Task 2:

Task 3:





- iii). Coverage for Course.java: 76.4%
- v). 97%, 100%, 100% for the 3 methods.

Task 4:

```
Matt@DESKTOP-UKCM5VT MINGW64 /m/ASU/SER316
$ cd mgroe-SER316/

Matt@DESKTOP-UKCM5VT MINGW64 /m/ASU/SER316/mgroe-SER316 (whitebox)
$ ls
CourseManagementGiven/  README.md

Matt@DESKTOP-UKCM5VT MINGW64 /m/ASU/SER316/mgroe-SER316 (whitebox)
$ cd CourseManagementGiven/

Matt@DESKTOP-UKCM5VT MINGW64 /m/ASU/SER316/mgroe-SER316/CourseManagementGiven (whitebox)
$ ls
'$roe_codereview.doc'  bin/          cls/          mgroe_codereview.doc
'~WRL0001.tmp'         build/        config/       src/
'~WRL0004.tmp'         build.gradle  media/

Matt@DESKTOP-UKCM5VT MINGW64 /m/ASU/SER316/mgroe-SER316/CourseManagementGiven (whitebox)
$ gradle build
Starting a Gradle Daemon, 1 busy Daemon could not be reused, use --status for details

BUILD SUCCESSFUL in 28s
7 actionable tasks: 7 executed

Matt@DESKTOP-UKCM5VT MINGW64 /m/ASU/SER316/mgroe-SER316/CourseManagementGiven (whitebox)
$ gradle test

























BUILD SUCCESSFUL in 1s
3 actionable tasks: 3 up-to-date

Matt@DESKTOP-UKCM5VT MINGW64 /m/ASU/SER316/mgroe-SER316/CourseManagementGiven (whitebox)
$ gradle jacocoTestReport

BUILD SUCCESSFUL in 2s
2 actionable tasks: 1 executed, 1 up-to-date

Matt@DESKTOP-UKCM5VT MINGW64 /m/ASU/SER316/mgroe-SER316/CourseManagementGiven (whitebox)
$ |
```

## Course

| Element                                | Missed Instructions   | Cov. | Missed Branches   | Cov. | Missed | Cxty | Missed | Lines | Missed | Methods |
|--|---|------|---|------|--------|------|--------|-------|--------|---------|
| printCourseStats()                     |  | 0%   |  | n/a  | 1      | 1    | 4      | 4     | 1      | 1       |
| countOccurrencesLetterGrades()         |  | 0%   |  | 0%   | 2      | 2    | 3      | 3     | 1      | 1       |
| getStudent_Points(Student)             |  | 0%   |  | n/a  | 1      | 1    | 1      | 1     | 1      | 1       |
| getStudent_Points(String)              |  | 0%   |  | n/a  | 1      | 1    | 1      | 1     | 1      | 1       |
| getName()                              |  | 0%   |  | n/a  | 1      | 1    | 1      | 1     | 1      | 1       |
| getPoints()                            |  | 0%   |  | n/a  | 1      | 1    | 1      | 1     | 1      | 1       |
| getStudents()                          |  | 0%   |  | n/a  | 1      | 1    | 1      | 1     | 1      | 1       |
| addStudent(Student)                    |  | 95%  |  | 66%  | 2      | 4    | 0      | 9     | 0      | 1       |
| calculateAverageWithoutMinWithoutMax() |  | 100% |  | 91%  | 1      | 7    | 0      | 20    | 0      | 1       |
| Course(String)                         |  | 100% |  | n/a  | 0      | 1    | 0      | 5     | 0      | 1       |
| set_points(String, int)                |  | 100% |  | n/a  | 0      | 1    | 0      | 3     | 0      | 1       |
| setName(String)                        |  | 100% |  | n/a  | 0      | 1    | 0      | 2     | 0      | 1       |
| Total                                  | 51 of 213   | 76%  | 5 of 20   | 75%  | 11     | 22   | 12     | 51    | 7      | 12      |