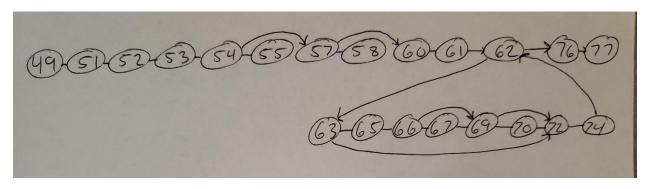Control Flow:

{<49, 51, 52, 53, 54, 55>, <49, 51, 52, 53, 54, 57, 58>, <49, 51, 52, 53, 54, 57, 60, 61, 62, 63, 72, 74, 62, 76, 77>, <49, 51, 52, 53, 54, 57, 60, 61, 62, 63, 65, 66, 67, 69, 70, 72, 74, 62, 76, 77>, <49, 51, 52, 53, 54, 57, 60, 61, 62, 63, 65, 66, 69, 72, 74, 62, 76, 77>}

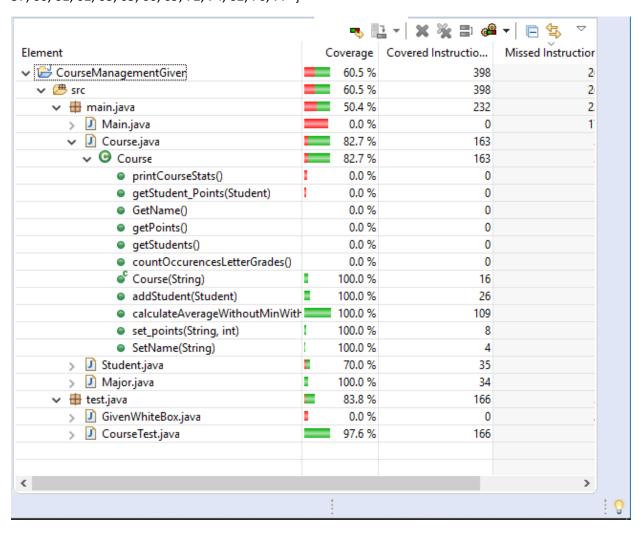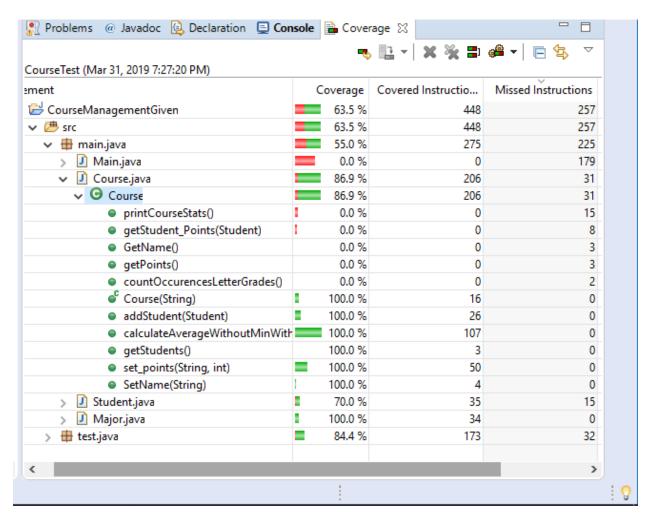| Element	Coverage	Covered Instructio...	Missed Instruction
⌄ CourseManagementGiven	60.5 %	398	2
⌄ src	60.5 %	398	2
⌄ main.java	50.4 %	232	2
› Main.java	0.0 %	0	1
⌄ Course.java	82.7 %	163	
⌄ Course	82.7 %	163	
printCourseStats()	0.0 %	0	
getStudent_Points(Student)	0.0 %	0	
GetName()	0.0 %	0	
getPoints()	0.0 %	0	
getStudents()	0.0 %	0	
countOccurencesLetterGrades()	0.0 %	0	
Course(String)	100.0 %	16	
addStudent(Student)	100.0 %	26	
calculateAverageWithoutMinWith	100.0 %	109	
set_points(String, int)	100.0 %	8	
SetName(String)	100.0 %	4	
› Student.java	70.0 %	35	
› Major.java	100.0 %	34	
⌄ test.java	83.8 %	166	
› GivenWhiteBox.java	0.0 %	0	
› CourseTest.java	97.6 %	166	

Overall program coverage is 50.4% of the main.java package; Course.java coverage is 82.7%, for each of the three tested methods, code coverage is 100.0%.

CourseTest (Mar 31, 2019 7:27:20 PM)

element	Coverage	Covered Instructio...	Missed Instructions
CourseManagementGiven	63.5 %	448	257
⌄ src	63.5 %	448	257
⌄ main.java	55.0 %	275	225
› Main.java	0.0 %	0	179
⌄ Course.java	86.9 %	206	31
⌄ Course	86.9 %	206	31
printCourseStats()	0.0 %	0	15
getStudent_Points(Student)	0.0 %	0	8
GetName()	0.0 %	0	3
getPoints()	0.0 %	0	3
countOccurencesLetterGrades()	0.0 %	0	2
Course(String)	100.0 %	16	0
addStudent(Student)	100.0 %	26	0
calculateAverageWithoutMinWith	100.0 %	107	0
getStudents()	100.0 %	3	0
set_points(String, int)	100.0 %	50	0
SetName(String)	100.0 %	4	0
› Student.java	70.0 %	35	15
› Major.java	100.0 %	34	0
› test.java	84.4 %	173	32

Task 4

CourseManagementGiven > main.java > Course

Course

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	M
printCourseStats()		0%		n/a	1	1	4	4	1	
getStudent_Points(Student)		0%		n/a	1	1	1	1	1	
GetName()		0%		n/a	1	1	1	1	1	
getPoints()		0%		n/a	1	1	1	1	1	
countOccurencesLetterGrades()		0%		n/a	1	1	1	1	1	
calculateAverageWithoutMinWithoutMax()		100%		100%	0	8	0	22	0	
set_points(String, int)		100%		100%	0	3	0	8	0	
addStudent(Student)		100%		100%	0	3	0	6	0	
Course(String)		100%		n/a	0	1	0	5	0	
SetName(String)		100%		n/a	0	1	0	2	0	
getStudents()		100%		n/a	0	1	0	1	0	
Total	31 of 237	86%	0 of 22	100%	5	22	8	52	5	

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until you reach code coverage of at least 95% for the 3 methods you tested.

- All answers and screenshots mentioned above.