

Coverage Differences between EclEmma and my Coverage Tool:

Randoop0:

Instruction Coverage:

My Tool:

```
comp5111.assignment.cut.Subject$NumberTasks
133 Instructions from a total of 351 Instructions were covered.
Percentage: 37.89173789173789%

comp5111.assignment.cut.Subject$CharTasks
42 Instructions from a total of 46 Instructions were covered.
Percentage: 91.30434782608695%

comp5111.assignment.cut.Subject$GregorianTasks
115 Instructions from a total of 146 Instructions were covered.
Percentage: 78.76712328767124%

comp5111.assignment.cut.Subject$ArrayTasks
41 Instructions from a total of 49 Instructions were covered.
Percentage: 83.6734693877551%

comp5111.assignment.cut.Subject
2 Instructions from a total of 2 Instructions were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$FilenameTasks
95 Instructions from a total of 204 Instructions were covered.
Percentage: 46.568627450980394%

comp5111.assignment.cut.Subject$StringTasks
207 Instructions from a total of 295 Instructions were covered.
Percentage: 70.16949152542372%

comp5111.assignment.cut.Subject$BooleanTasks
9 Instructions from a total of 9 Instructions were covered.
Percentage: 100.0%

Overall Statement Coverage: 58.43920145190563%
```

EclEmma:

RegressionTest0 (6 Mar 2023 11:29:44)				
Element	Coverage	Covered Instructions	Missed Instructions	Total Instructions ^
COMP5111	15.3 %	220'675	1'222'832	1'443'507
src/main/java	30.7 %	1'413	3'192	4'605
comp5111.assignment.cut	61.5 %	1'413	883	2'296
Subject.java	61.5 %	1'413	883	2'296
Subject	100.0 %	3	0	3
BooleanTasks	100.0 %	14	0	14
CharTasks	93.0 %	66	5	71
ArrayTasks	97.5 %	77	2	79
GregorianTasks	80.3 %	289	71	360
FilenameTasks	49.6 %	205	208	413
StringTasks	76.0 %	482	152	634
NumberTasks	38.4 %	277	445	722

Difference:

Total:	3.1%
BooleanTasks:	0%
CharTasks:	1.7%
ArrayTasks:	13.8%
GregorianTasks:	1.5%
FilenameTasks:	3%
StringTasks:	5.8%
NumberTasks:	0.5%

Randoop0:

Branch Coverage:

My Tool:

```
Coverage of Test Suite: comp5111.assignment.cut.RegRESSIONTest0

comp5111.assignment.cut.Subject$NumberTasks
45 Branches from a total of 172 Branches were covered.
Percentage: 26.16279069767442%

comp5111.assignment.cut.Subject$CharTasks
17 Branches from a total of 24 Branches were covered.
Percentage: 70.83333333333343%

comp5111.assignment.cut.Subject$GregorianTasks
73 Branches from a total of 94 Branches were covered.
Percentage: 77.6595744680851%

comp5111.assignment.cut.Subject$ArrayTasks
21 Branches from a total of 22 Branches were covered.
Percentage: 95.45454545454545%

comp5111.assignment.cut.Subject
0 Branches from a total of 0 Branches were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$FilenameTasks
34 Branches from a total of 98 Branches were covered.
Percentage: 34.693877551020411

comp5111.assignment.cut.Subject$StringTasks
96 Branches from a total of 152 Branches were covered.
Percentage: 63.15789473684211

comp5111.assignment.cut.Subject$BooleanTasks
4 Branches from a total of 4 Branches were covered.
Percentage: 100.0%

Overall Branch Coverage: 51.23674911660777%
```

EclEmma:

RegressionTest0 (6 Mar 2023 11:29:44)				
Element	Coverage	Covered Branches	Missed Branches	Total Branches ^
COMP5111	10.1 %	10'760	96'152	106'912
src/main/java	42.4 %	286	388	674
comp5111.assignment.cut	50.2 %	286	284	570
Subject.java	50.2 %	286	284	570
Subject		0	0	0
BooleanTasks	100.0 %	4	0	4
ArrayTasks	95.5 %	21	1	22
CharTasks	70.8 %	17	7	24
GregorianTasks	77.7 %	73	21	94
FilenameTasks	34.7 %	34	64	98
StringTasks	63.2 %	96	56	152
NumberTasks	23.3 %	41	135	176

Difference:

Total:	0.8%
BooleanTasks:	0%
CharTasks:	0%
ArrayTasks:	0%
GregorianTasks:	0%
FilenameTasks:	0%
StringTasks:	0%
NumberTasks:	2.9%

Randoop0:

Line Coverage:

My Tool:

```
Coverage of Test Suite: comp5111.assignment.cut.RegressionTest0

comp5111.assignment.cut.Subject$NumberTasks
67 Lines from a total of 156 Lines were covered.
Percentage: 42.94871794871795%

comp5111.assignment.cut.Subject$CharTasks
9 Lines from a total of 9 Lines were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$GregorianTasks
54 Lines from a total of 62 Lines were covered.
Percentage: 87.09677419354838%

comp5111.assignment.cut.Subject$ArrayTasks
18 Lines from a total of 19 Lines were covered.
Percentage: 94.73684210526316%

comp5111.assignment.cut.Subject
1 Lines from a total of 1 Lines were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$FilenameTasks
50 Lines from a total of 98 Lines were covered.
Percentage: 51.02040816326531%

comp5111.assignment.cut.Subject$StringTasks
119 Lines from a total of 153 Lines were covered.
Percentage: 77.77777777777777

comp5111.assignment.cut.Subject$BooleanTasks
4 Lines from a total of 4 Lines were covered.
Percentage: 100.0%

Overall Line Coverage: 64.14342629482071%
```

EclEmma:

RegressionTest0 (6 Mar 2023 11:29:44)				
Element	Coverage	Covered Lines	Missed Lines	Total Lines ^
COMP5111	15.9 %	34'065	179'594	213'659
src/main/java	32.9 %	321	655	976
comp5111.assignment.cut	61.1 %	321	204	525
Subject.java	61.1 %	321	204	525
Subject	100.0 %	1	0	1
BooleanTasks	100.0 %	4	0	4
CharTasks	100.0 %	9	0	9
ArrayTasks	95.0 %	19	1	20
GregorianTasks	85.3 %	58	10	68
FilenameTasks	50.0 %	50	50	100
StringTasks	78.3 %	123	34	157
NumberTasks	34.3 %	57	109	166

Difference:

Total:	3%
BooleanTasks:	0%
CharTasks:	0%
ArrayTasks:	0.3%
GregorianTasks:	1.8%
FilenameTasks:	1%
StringTasks:	1%
NumberTasks:	8.7%

Randoop1:

Instruction Coverage:

My Tool:

```
Coverage of Test Suite: comp5111.assignment.cut.RegressionTest1

comp5111.assignment.cut.Subject$NumberTasks
133 Instructions from a total of 351 Instructions were covered.
Percentage: 37.89173789173789%

comp5111.assignment.cut.Subject$CharTasks
42 Instructions from a total of 46 Instructions were covered.
Percentage: 91.30434782608695%

comp5111.assignment.cut.Subject$GregorianTasks
116 Instructions from a total of 146 Instructions were covered.
Percentage: 79.45205479452055%

comp5111.assignment.cut.Subject$ArrayTasks
41 Instructions from a total of 49 Instructions were covered.
Percentage: 83.6734693877551%

comp5111.assignment.cut.Subject
2 Instructions from a total of 2 Instructions were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$FilenameTasks
95 Instructions from a total of 204 Instructions were covered.
Percentage: 46.568627450980394%

comp5111.assignment.cut.Subject$StringTasks
207 Instructions from a total of 295 Instructions were covered.
Percentage: 70.16949152542372%

comp5111.assignment.cut.Subject$BooleanTasks
9 Instructions from a total of 9 Instructions were covered.
Percentage: 100.0%

Overall Statement Coverage: 58.52994555353902%
```

EclEmma:

RegressionTest1 (6 Mar 2023 12:02:22)					
Element	Coverage	Covered Instructions	Missed Instructions	Total Instructions	^
✓ COMP5111	14.8 %	213'775	1'229'732	1'443'507	
✓ src/main/java	30.8 %	1'417	3'188	4'605	
✓ comp5111.assignment.cut	61.7 %	1'417	879	2'296	
✓ Subject.java	61.7 %	1'417	879	2'296	
✓ Subject	100.0 %	3	0	3	
> BooleanTasks	100.0 %	14	0	14	
> CharTasks	93.0 %	66	5	71	
> ArrayTasks	97.5 %	77	2	79	
> GregorianTasks	81.4 %	293	67	360	
> FilenameTasks	49.6 %	205	208	413	
> StringTasks	76.0 %	482	152	634	
> NumberTasks	38.4 %	277	445	722	

Difference:

Total:	3.2%
BooleanTasks:	0%
CharTasks:	1.7%
ArrayTasks:	13.8%
GregorianTasks:	1.9%
FilenameTasks:	3%
StringTasks:	5.8%
NumberTasks:	0.5%

Randoop1:

Branch Coverage:

My Tool:

```
Coverage of Test Suite: comp5111.assignment.cut.RegressionTest1

comp5111.assignment.cut.Subject$NumberTasks
45 Branches from a total of 172 Branches were covered.
Percentage: 26.16279069767442%

comp5111.assignment.cut.Subject$CharTasks
17 Branches from a total of 24 Branches were covered.
Percentage: 70.8333333333334%

comp5111.assignment.cut.Subject$GregorianTasks
75 Branches from a total of 94 Branches were covered.
Percentage: 79.7872340425532%

comp5111.assignment.cut.Subject$ArrayTasks
21 Branches from a total of 22 Branches were covered.
Percentage: 95.45454545454545%

comp5111.assignment.cut.Subject
0 Branches from a total of 0 Branches were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$FilenameTasks
34 Branches from a total of 98 Branches were covered.
Percentage: 34.69387755102041%

comp5111.assignment.cut.Subject$StringTasks
96 Branches from a total of 152 Branches were covered.
Percentage: 63.1578947368421%

comp5111.assignment.cut.Subject$BooleanTasks
4 Branches from a total of 4 Branches were covered.
Percentage: 100.0%

Overall Branch Coverage: 51.590106007067135%
```

EclEmma:

RegressionTest1 (6 Mar 2023 12:02:22)				
Element	Coverage	Covered Branches	Missed Branches	Total Branches ^
COMP5111	10.5 %	11'186	95'726	106'912
src/main/java	42.7 %	288	386	674
comp5111.assignment.cut	50.5 %	288	282	570
Subject.java	50.5 %	288	282	570
Subject		0	0	0
BooleanTasks	100.0 %	4	0	4
ArrayTasks	95.5 %	21	1	22
CharTasks	70.8 %	17	7	24
GregorianTasks	79.8 %	75	19	94
FilenameTasks	34.7 %	34	64	98
StringTasks	63.2 %	96	56	152
NumberTasks	23.3 %	41	135	176

Difference:

Total:	1.1%
BooleanTasks:	0%
CharTasks:	0%
ArrayTasks:	0%
GregorianTasks:	0%
FilenameTasks:	0%
StringTasks:	0%
NumberTasks:	2.9%

Randoop1:

Line Coverage:

My Tool:

```
Coverage of Test Suite: comp5111.assignment.cut.RegressionTest1

comp5111.assignment.cut.Subject$NumberTasks
67 Lines from a total of 156 Lines were covered.
Percentage: 42.94871794871795%

comp5111.assignment.cut.Subject$CharTasks
9 Lines from a total of 9 Lines were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$GregorianTasks
58 Lines from a total of 62 Lines were covered.
Percentage: 93.54838709677419%

comp5111.assignment.cut.Subject$ArrayTasks
18 Lines from a total of 19 Lines were covered.
Percentage: 94.73684210526316%

comp5111.assignment.cut.Subject
1 Lines from a total of 1 Lines were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$FilenameTasks
50 Lines from a total of 98 Lines were covered.
Percentage: 51.02040816326531%

comp5111.assignment.cut.Subject$StringTasks
119 Lines from a total of 153 Lines were covered.
Percentage: 77.77777777777777%

Overall Line Coverage: 64.9402390438247%
```

EclEmma:

RegressionTest1 (6 Mar 2023 12:02:22)				
Element	Coverage	Covered Lines	Missed Lines	Total Lines ^
COMP5111	16.1 %	34'293	179'366	213'659
src/main/java	33.1 %	323	653	976
comp5111.assignment.cut	61.5 %	323	202	525
Subject.java	61.5 %	323	202	525
Subject	100.0 %	1	0	1
BooleanTasks	100.0 %	4	0	4
CharTasks	100.0 %	9	0	9
ArrayTasks	95.0 %	19	1	20
GregorianTasks	88.2 %	60	8	68
FilenameTasks	50.0 %	50	50	100
StringTasks	78.3 %	123	34	157
NumberTasks	34.3 %	57	109	166

Difference:

Total:	3.4%
BooleanTasks:	0%
CharTasks:	0%
ArrayTasks:	0.3%
GregorianTasks:	5.3%
FilenameTasks:	1%
StringTasks:	0.5%
NumberTasks:	8.6%

Randoop2:

Instruction Coverage:

My Tool:

```
Coverage of Test Suite: comp5111.assignment.cut.RegressionTest2

comp5111.assignment.cut.Subject$NumberTasks
133 Instructions from a total of 351 Instructions were covered.
Percentage: 37.89173789173789%

comp5111.assignment.cut.Subject$CharTasks
42 Instructions from a total of 46 Instructions were covered.
Percentage: 91.30434782608695%

comp5111.assignment.cut.Subject$GregorianTasks
99 Instructions from a total of 146 Instructions were covered.
Percentage: 67.8082191780822%

comp5111.assignment.cut.Subject$ArrayTasks
41 Instructions from a total of 49 Instructions were covered.
Percentage: 83.6734693877551%

comp5111.assignment.cut.Subject
2 Instructions from a total of 2 Instructions were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$FilenameTasks
95 Instructions from a total of 204 Instructions were covered.
Percentage: 46.568627450980394%

comp5111.assignment.cut.Subject$StringTasks
207 Instructions from a total of 295 Instructions were covered.
Percentage: 70.16949152542372%

comp5111.assignment.cut.Subject$BooleanTasks
9 Instructions from a total of 9 Instructions were covered.
Percentage: 100.0%

Overall Statement Coverage: 56.98729582577132%
```

EclEmma:

RegressionTest2 (6 Mar 2023 13:09:46)					
Element	Coverage	Covered Instructions	Missed Instructions	Total Instructions	^
COMP5111	16.0 %	230'446	1'213'061	1'443'507	
src/main/java	29.6 %	1'365	3'240	4'605	
comp5111.assignment.cut	59.5 %	1'365	931	2'296	
Subject.java	59.5 %	1'365	931	2'296	
Subject	100.0 %	3	0	3	
BooleanTasks	100.0 %	14	0	14	
CharTasks	93.0 %	66	5	71	
ArrayTasks	97.5 %	77	2	79	
GregorianTasks	66.9 %	241	119	360	
FilenameTasks	49.6 %	205	208	413	
StringTasks	76.0 %	482	152	634	
NumberTasks	38.4 %	277	445	722	

Difference:

Total:	2.5%
BooleanTasks:	0%
CharTasks:	1.7%
ArrayTasks:	13.8%
GregorianTasks:	0.9%
FilenameTasks:	3%
StringTasks:	5.8%
NumberTasks:	0.5%

Randoop2:

Branch Coverage:

My Tool:

```
Coverage of Test Suite: comp5111.assignment.cut.ReggressionTest2

comp5111.assignment.cut.Subject$NumberTasks
45 Branches from a total of 172 Branches were covered.
Percentage: 26.16279069767442%

comp5111.assignment.cut.Subject$CharTasks
17 Branches from a total of 24 Branches were covered.
Percentage: 70.8333333333334%

comp5111.assignment.cut.Subject$GregorianTasks
72 Branches from a total of 94 Branches were covered.
Percentage: 76.59574468085107%

comp5111.assignment.cut.Subject$ArrayTasks
21 Branches from a total of 22 Branches were covered.
Percentage: 95.45454545454545%

comp5111.assignment.cut.Subject
0 Branches from a total of 0 Branches were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$FilenameTasks
34 Branches from a total of 98 Branches were covered.
Percentage: 34.69387755102041%

comp5111.assignment.cut.Subject$StringTasks
96 Branches from a total of 152 Branches were covered.
Percentage: 63.15789473684211

comp5111.assignment.cut.Subject$BooleanTasks
4 Branches from a total of 4 Branches were covered.
Percentage: 100.0%

Overall Branch Coverage: 51.060070671378085%
```

EclEmma:

RegressionTest2 (6 Mar 2023 13:09:46)				
Element	Coverage	Covered Branches	Missed Branches	Total Branches ^
COMP5111	10.2 %	10'899	96'013	106'912
src/main/java	42.3 %	285	389	674
comp5111.assignment.cut	50.0 %	285	285	570
Subject.java	50.0 %	285	285	570
Subject		0	0	0
BooleanTasks	100.0 %	4	0	4
ArrayTasks	95.5 %	21	1	22
CharTasks	70.8 %	17	7	24
GregorianTasks	76.6 %	72	22	94
FilenameTasks	34.7 %	34	64	98
StringTasks	63.2 %	96	56	152
NumberTasks	23.3 %	41	135	176

Difference:

Total:	1.1%
BooleanTasks:	0%
CharTasks:	0%
ArrayTasks:	0%
GregorianTasks:	0%
FilenameTasks:	0%
StringTasks:	0%
NumberTasks:	2.9%

Randoop2:

Line Coverage:

My Tool:

EclEmma:

Element	Coverage	Covered Lines	Missed Lines	Total Lines ▾
COMP5111	16.6 %	35'552	178'107	213'659
src/main/java	31.7 %	309	667	976
comp5111.assignment.cut	58.9 %	309	216	525
Subject.java	58.9 %	309	216	525
Subject	100.0 %	1	0	1
BooleanTasks	100.0 %	4	0	4
CharTasks	100.0 %	9	0	9
ArrayTasks	95.0 %	19	1	20
GregorianTasks	67.6 %	46	22	68
FilenameTasks	50.0 %	50	50	100
StringTasks	78.3 %	123	34	157
NumberTasks	34.3 %	57	109	166

Difference:

Total: 6%

BooleanTasks: 0%

CharTasks: 0%

ArrayTasks:

GregorianTasks: 25

FilenameTasks: 1%

String Tasks:

Randoop3:

Instruction Coverage:

My Tool:

```
Coverage of Test Suite: comp5111.assignment.cut.RegressionTest3

comp5111.assignment.cut.Subject$NumberTasks
133 Instructions from a total of 351 Instructions were covered.
Percentage: 37.89173789173789%

comp5111.assignment.cut.Subject$CharTasks
42 Instructions from a total of 46 Instructions were covered.
Percentage: 91.30434782608695%

comp5111.assignment.cut.Subject$GregorianTasks
119 Instructions from a total of 146 Instructions were covered.
Percentage: 81.5068493150685%

comp5111.assignment.cut.Subject$ArrayTasks
41 Instructions from a total of 49 Instructions were covered.
Percentage: 83.6734693877551%

comp5111.assignment.cut.Subject
2 Instructions from a total of 2 Instructions were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$FilenameTasks
95 Instructions from a total of 204 Instructions were covered.
Percentage: 46.568627450980394%

comp5111.assignment.cut.Subject$StringTasks
207 Instructions from a total of 295 Instructions were covered.
Percentage: 70.16949152542372%

comp5111.assignment.cut.Subject$BooleanTasks
9 Instructions from a total of 9 Instructions were covered.
Percentage: 100.0%

Overall Statement Coverage: 58.802177858439194%
```

EclEmma:

RegressionTest3 (6 Mar 2023 13:23:34)					
Element	Coverage	Covered Instructions	Missed Instructions	Total Instructions	▲
COMP5111	15.8 %	228'007	1'215'500	1'443'507	
src/main/java	30.9 %	1'423	3'182	4'605	
comp5111.assignment.cut	62.0 %	1'423	873	2'296	
Subject.java	62.0 %	1'423	873	2'296	
Subject	100.0 %	3	0	3	
BooleanTasks	100.0 %	14	0	14	
CharTasks	93.0 %	66	5	71	
ArrayTasks	97.5 %	77	2	79	
GregorianTasks	83.1 %	299	61	360	
FilenameTasks	49.6 %	205	208	413	
StringTasks	76.0 %	482	152	634	
NumberTasks	38.4 %	277	445	722	

Difference:

Total:	3.2%
BooleanTasks:	0%
CharTasks:	1.7%
ArrayTasks:	13.8%
GregorianTasks:	1.6%
FilenameTasks:	3%
StringTasks:	5.8%
NumberTasks:	0.5%

Randoop3:

Branch Coverage:

My Tool:

```
Coverage of Test Suite: comp5111.assignment.cut.RegRESSIONTest3

comp5111.assignment.cut.Subject$NumberTasks
45 Branches from a total of 172 Branches were covered.
Percentage: 26.16279069767442%

comp5111.assignment.cut.Subject$CharTasks
17 Branches from a total of 24 Branches were covered.
Percentage: 70.8333333333334%

comp5111.assignment.cut.Subject$GregorianTasks
78 Branches from a total of 94 Branches were covered.
Percentage: 82.97872340425532%

comp5111.assignment.cut.Subject$ArrayTasks
21 Branches from a total of 22 Branches were covered.
Percentage: 95.45454545454545%

comp5111.assignment.cut.Subject
0 Branches from a total of 0 Branches were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$FilenameTasks
34 Branches from a total of 98 Branches were covered.
Percentage: 34.69387755102041%

comp5111.assignment.cut.Subject$StringTasks
96 Branches from a total of 152 Branches were covered.
Percentage: 63.15789473684216

comp5111.assignment.cut.Subject$BooleanTasks
4 Branches from a total of 4 Branches were covered.
Percentage: 100.0%

Overall Branch Coverage: 52.120141342756185%
```

EclEmma:

RegressionTest3 (6 Mar 2023 13:23:34)				
Element	Coverage	Covered Branches	Missed Branches	Total Branches ^
COMP5111	10.3 %	11'040	95'872	106'912
src/main/java	43.2 %	291	383	674
comp5111.assignment.cut	51.1 %	291	279	570
Subject.java	51.1 %	291	279	570
Subject		0	0	0
BooleanTasks	100.0 %	4	0	4
ArrayTasks	95.5 %	21	1	22
CharTasks	70.8 %	17	7	24
GregorianTasks	83.0 %	78	16	94
FilenameTasks	34.7 %	34	64	98
StringTasks	63.2 %	96	56	152
NumberTasks	23.3 %	41	135	176

Difference:

Total:	1%
BooleanTasks:	0%
CharTasks:	0%
ArrayTasks:	0%
GregorianTasks:	0%
FilenameTasks:	0%
StringTasks:	0%
NumberTasks:	2.9%

Randoop3:

Line Coverage:

My Tool:

```
Coverage of Test Suite: comp5111.assignment.cut.ReggressionTest

comp5111.assignment.cut.Subject$NumberTasks
67 Lines from a total of 156 Lines were covered.
Percentage: 42.94871794871795%

comp5111.assignment.cut.Subject$CharTasks
9 Lines from a total of 9 Lines were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$GregorianTasks
58 Lines from a total of 62 Lines were covered.
Percentage: 93.54838709677419%

comp5111.assignment.cut.Subject$ArrayTasks
18 Lines from a total of 19 Lines were covered.
Percentage: 94.73684210526316%

comp5111.assignment.cut.Subject
1 Lines from a total of 1 Lines were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$FilenameTasks
50 Lines from a total of 98 Lines were covered.
Percentage: 51.02040816326531%

comp5111.assignment.cut.Subject$StringTasks
119 Lines from a total of 153 Lines were covered.
Percentage: 77.77777777777777

comp5111.assignment.cut.Subject$BooleanTasks
4 Lines from a total of 4 Lines were covered.
Percentage: 100.0%

Overall Line Coverage: 64.9402390438247%
```

EclEmma:

RegressionTest3 (6 Mar 2023 13:23:34)				
Element	Coverage	Covered Lines	Missed Lines	Total Lines ^
COMP5111	16.8 %	35'971	177'688	213'659
src/main/java	33.1 %	323	653	976
comp5111.assignment.cut	61.5 %	323	202	525
Subject.java	61.5 %	323	202	525
Subject	100.0 %	1	0	1
BooleanTasks	100.0 %	4	0	4
CharTasks	100.0 %	9	0	9
ArrayTasks	95.0 %	19	1	20
GregorianTasks	88.2 %	60	8	68
FilenameTasks	50.0 %	50	50	100
StringTasks	78.3 %	123	34	157
NumberTasks	34.3 %	57	109	166

Difference:

Total:	3.4%
BooleanTasks:	0%
CharTasks:	0%
ArrayTasks:	0.3%
GregorianTasks:	5.3%
FilenameTasks:	1%
StringTasks:	0.5%
NumberTasks:	8.6%

Randoop4:

Instruction Coverage:

My Tool:

```
Coverage of Test Suite: comp5111.assignment.cut.RegressionTest4

comp5111.assignment.cut.Subject$NumberTasks
133 Instructions from a total of 351 Instructions were covered.
Percentage: 37.89173789173789%

comp5111.assignment.cut.Subject$CharTasks
42 Instructions from a total of 46 Instructions were covered.
Percentage: 91.30434782608695%

comp5111.assignment.cut.Subject$GregorianTasks
99 Instructions from a total of 146 Instructions were covered.
Percentage: 67.8082191780822%

comp5111.assignment.cut.Subject$ArrayTasks
41 Instructions from a total of 49 Instructions were covered.
Percentage: 83.6734693877551%

comp5111.assignment.cut.Subject
2 Instructions from a total of 2 Instructions were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$FilenameTasks
95 Instructions from a total of 204 Instructions were covered.
Percentage: 46.568627450980394%

comp5111.assignment.cut.Subject$StringTasks
207 Instructions from a total of 295 Instructions were covered.
Percentage: 70.16949152542372%

comp5111.assignment.cut.Subject$BooleanTasks
9 Instructions from a total of 9 Instructions were covered.
Percentage: 100.0%

Overall Statement Coverage: 56.98729582577132%
```

EclEmma:

RegressionTest4 (6 Mar 2023 13:33:54)				
Element	Coverage	Covered Instructions	Missed Instructions	Total Instructions ^
COMP5111	14.3 %	206'625	1'236'882	1'443'507
src/main/java	29.6 %	1'365	3'240	4'605
comp5111.assignment.cut	59.5 %	1'365	931	2'296
Subject.java	59.5 %	1'365	931	2'296
Subject	100.0 %	3	0	3
BooleanTasks	100.0 %	14	0	14
CharTasks	93.0 %	66	5	71
ArrayTasks	97.5 %	77	2	79
GregorianTasks	66.9 %	241	119	360
FilenameTasks	49.6 %	205	208	413
StringTasks	76.0 %	482	152	634
NumberTasks	38.4 %	277	445	722

Difference:

Total:	2.5%
BooleanTasks:	0%
CharTasks:	1.7%
ArrayTasks:	13.8%
GregorianTasks:	0.9%
FilenameTasks:	3%
StringTasks:	5.8%
NumberTasks:	0.5%

Randoop4:

Branch Coverage:

My Tool:

```
Coverage of Test Suite: comp5111.assignment.cut.RegressionTest4

comp5111.assignment.cut.Subject$NumberTasks
45 Branches from a total of 172 Branches were covered.
Percentage: 26.16279069767442%

comp5111.assignment.cut.Subject$CharTasks
17 Branches from a total of 24 Branches were covered.
Percentage: 70.8333333333334%

comp5111.assignment.cut.Subject$GregorianTasks
71 Branches from a total of 94 Branches were covered.
Percentage: 75.53191489361703%

comp5111.assignment.cut.Subject$ArrayTasks
21 Branches from a total of 22 Branches were covered.
Percentage: 95.45454545454545%

comp5111.assignment.cut.Subject
0 Branches from a total of 0 Branches were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$FilenameTasks
34 Branches from a total of 98 Branches were covered.
Percentage: 34.69387755102041%

comp5111.assignment.cut.Subject$StringTasks
96 Branches from a total of 152 Branches were covered.
Percentage: 63.1578947368421%

comp5111.assignment.cut.Subject$BooleanTasks
4 Branches from a total of 4 Branches were covered.
Percentage: 100.0%

Overall Branch Coverage: 50.8833922261484%
```

EclEmma:

RegressionTest4 (6 Mar 2023 13:33:54)				
Element	Coverage	Covered Branches	Missed Branches	Total Branches ^
COMP5111	9.9 %	10'598	96'314	106'912
src/main/java	42.1 %	284	390	674
comp5111.assignment.cut	49.8 %	284	286	570
Subject.java	49.8 %	284	286	570
Subject		0	0	0
BooleanTasks	100.0 %	4	0	4
ArrayTasks	95.5 %	21	1	22
CharTasks	70.8 %	17	7	24
GregorianTasks	75.5 %	71	23	94
FilenameTasks	34.7 %	34	64	98
StringTasks	63.2 %	96	56	152
NumberTasks	23.3 %	41	135	176

Difference:

Total:	1.1%
BooleanTasks:	0%
CharTasks:	0%
ArrayTasks:	0%
GregorianTasks:	0%
FilenameTasks:	0%
StringTasks:	0%
NumberTasks:	2.9%

Randoop4:

Line Coverage:

My Tool:

```
Coverage of Test Suite: comp5111.assignment.cut.RegressionTest4

comp5111.assignment.cut.Subject$NumberTasks
67 Lines from a total of 156 Lines were covered.
Percentage: 42.94871794871795%

comp5111.assignment.cut.Subject$CharTasks
9 Lines from a total of 9 Lines were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$GregorianTasks
58 Lines from a total of 62 Lines were covered.
Percentage: 93.54838709677419%

comp5111.assignment.cut.Subject$ArrayTasks
18 Lines from a total of 19 Lines were covered.
Percentage: 94.73684210526316%

comp5111.assignment.cut.Subject
1 Lines from a total of 1 Lines were covered.
Percentage: 100.0%

comp5111.assignment.cut.Subject$FilenameTasks
50 Lines from a total of 98 Lines were covered.
Percentage: 51.02040816326531%

comp5111.assignment.cut.Subject$StringTasks
119 Lines from a total of 153 Lines were covered.
Percentage: 77.77777777777777%

comp5111.assignment.cut.Subject$BooleanTasks
4 Lines from a total of 4 Lines were covered.
Percentage: 100.0%

Overall Line Coverage: 64.9402390438247%
```

EclEmma:

RegressionTest4 (6 Mar 2023 13:33:54)				
Element	Coverage	Covered Lines	Missed Lines	Total Lines ^
COMP5111	16.0 %	34'163	179'496	213'659
src/main/java	31.7 %	309	667	976
comp5111.assignment.cut	58.9 %	309	216	525
Subject.java	58.9 %	309	216	525
Subject	100.0 %	1	0	1
BooleanTasks	100.0 %	4	0	4
CharTasks	100.0 %	9	0	9
ArrayTasks	95.0 %	19	1	20
GregorianTasks	67.6 %	46	22	68
FilenameTasks	50.0 %	50	50	100
StringTasks	78.3 %	123	34	157
NumberTasks	34.3 %	57	109	166

Difference:

Total:	6%
BooleanTasks:	0%
CharTasks:	0%
ArrayTasks:	0.3%
GregorianTasks:	25.9%
FilenameTasks:	1%
StringTasks:	0.5%
NumberTasks:	8.6%