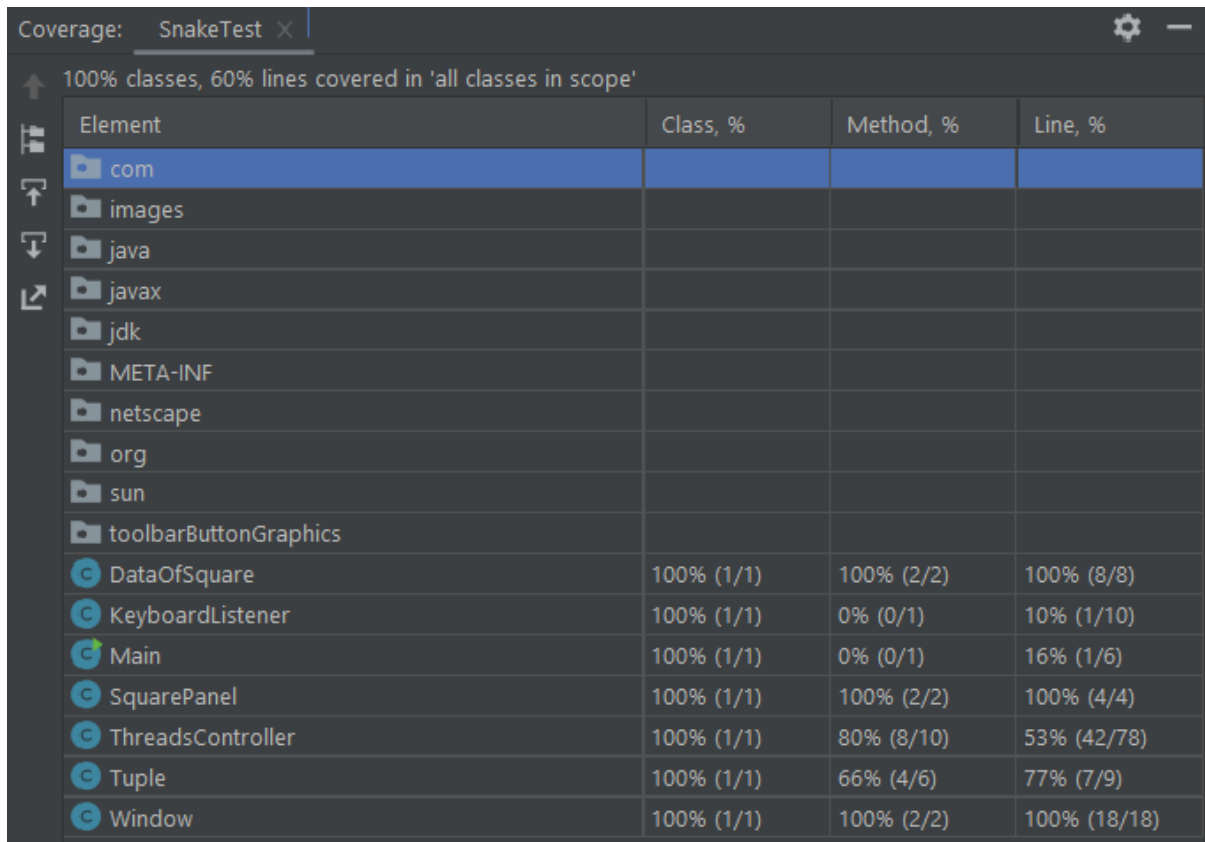


Question 5: Test Report (S11171856)

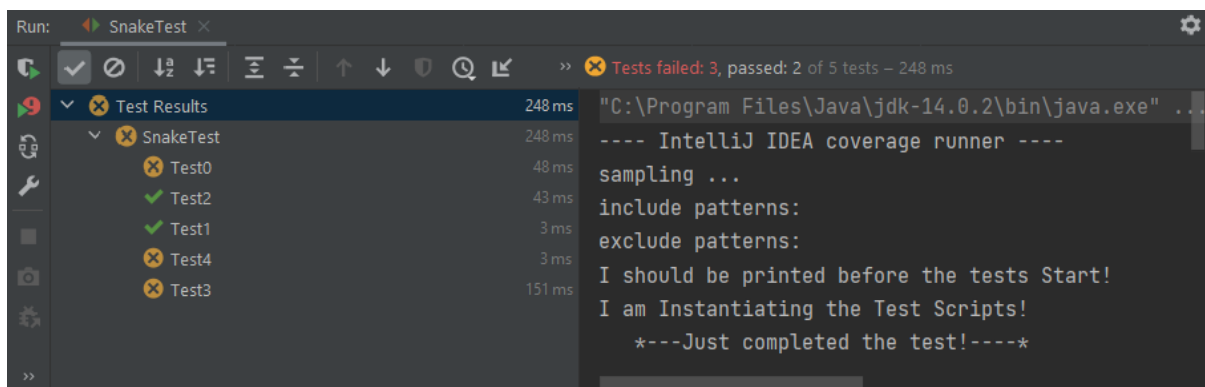
Unfortunately, machine did not have Jacoco plugin available for NetBeans ide, the following is snapshots from IntelliJ ide default code coverage reports as a substitute for Jacoco generated report.



The screenshot shows the 'Coverage' window in IntelliJ IDEA for a test named 'SnakeTest'. At the top, it states '100% classes, 60% lines covered in 'all classes in scope''. Below this is a table with four columns: 'Element', 'Class, %', 'Method, %', and 'Line, %'. The table lists various packages and classes. Packages like 'com', 'images', 'java', 'javax', 'jdk', 'META-INF', 'netscape', 'org', 'sun', and 'toolbarButtonGraphics' all show 100% coverage across all metrics. Individual classes show varying levels of coverage: 'DataOfSquare' (100% class, method, and line), 'KeyboardListener' (100% class, 0% method, 10% line), 'Main' (100% class, 0% method, 16% line), 'SquarePanel' (100% class, method, and line), 'ThreadsController' (100% class, 80% method, 53% line), 'Tuple' (100% class, 66% method, 77% line), and 'Window' (100% class, method, and line). Each class entry is preceded by a blue circle icon with a white 'C'.

Element	Class, %	Method, %	Line, %
com			
images			
java			
javax			
jdk			
META-INF			
netscape			
org			
sun			
toolbarButtonGraphics			
DataOfSquare	100% (1/1)	100% (2/2)	100% (8/8)
KeyboardListener	100% (1/1)	0% (0/1)	10% (1/10)
Main	100% (1/1)	0% (0/1)	16% (1/6)
SquarePanel	100% (1/1)	100% (2/2)	100% (4/4)
ThreadsController	100% (1/1)	80% (8/10)	53% (42/78)
Tuple	100% (1/1)	66% (4/6)	77% (7/9)
Window	100% (1/1)	100% (2/2)	100% (18/18)

Figure 1: Default Code Coverage



The screenshot shows the 'Run' window in IntelliJ IDEA for a test named 'SnakeTest'. The top status bar indicates 'Tests failed: 3, passed: 2 of 5 tests - 248 ms'. Below this is a tree view of test results. The 'Test Results' folder is expanded, showing 'SnakeTest' (248 ms) and its sub-items: 'Test0' (48 ms), 'Test2' (43 ms), 'Test1' (3 ms), 'Test4' (3 ms), and 'Test3' (151 ms). Each item has a status icon: a yellow 'X' for failed tests and a green checkmark for passed tests. To the right of the tree view is a text area showing the output of the test runner. The output includes the command 'C:\Program Files\Java\jdk-14.0.2\bin\java.exe' and several lines of text: '---- IntelliJ IDEA coverage runner ----', 'sampling ...', 'include patterns:', 'exclude patterns:', 'I should be printed before the tests Start!', 'I am Instantiating the Test Scripts!', and '*---Just completed the test!---*'. The text area also shows a scroll bar on the right.

Test Results	Time
SnakeTest	248 ms
Test0	48 ms
Test2	43 ms
Test1	3 ms
Test4	3 ms
Test3	151 ms

Figure 2: Test Results