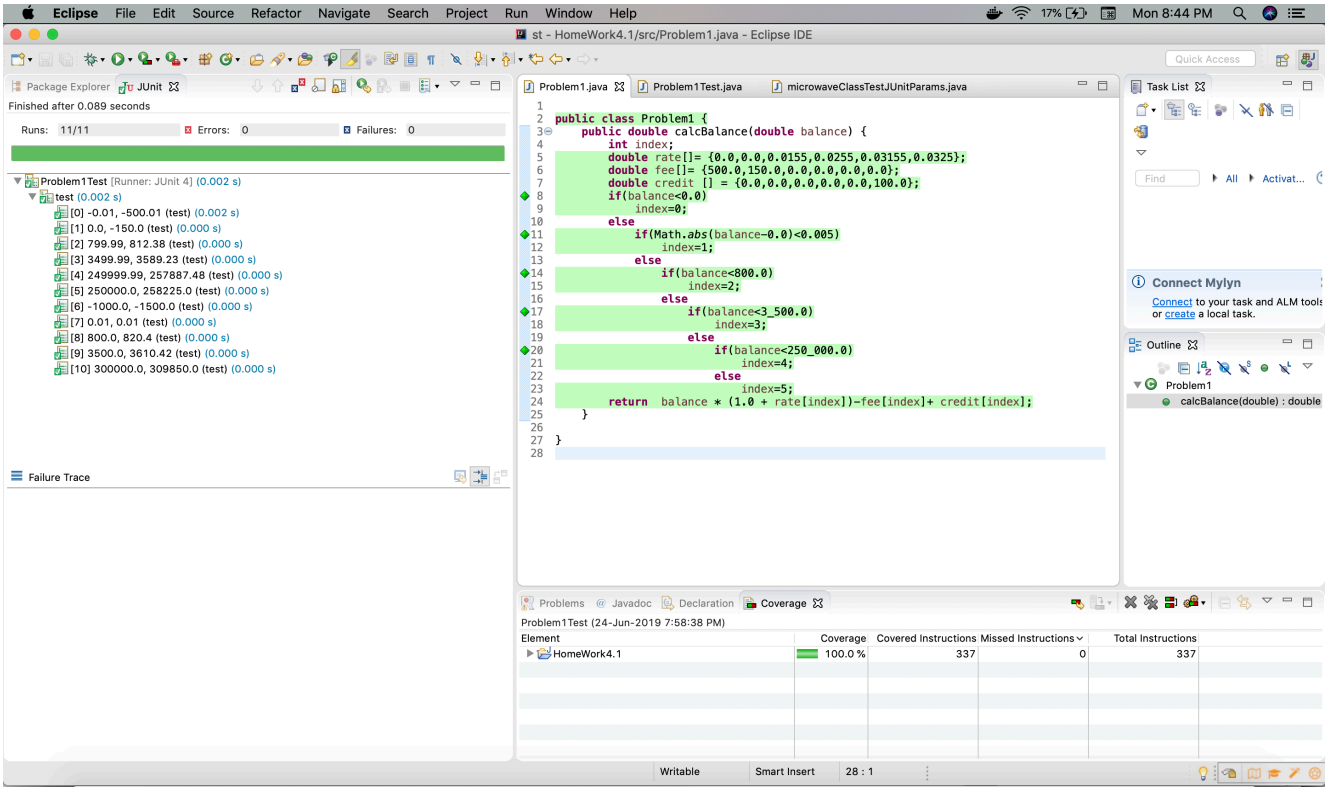
CSE 5321 Homework 4.1
Summer 2019

1) Test case Table Snapshot: -

Test Case Number	Inputs	Exp Output	Basis path
	balance	balance	
1	-$0.01	-$500.01	10-11-26
2	$0.00	-$150.00	10-13-14-26
3	$799.99	$812.38	10-13-16-17-26
4	$3,499.99	$3,589.23	10-13-16-19-20-26
5	$2,49,999.99	$2,57,887.48	10-13-16-19-22-23-26
6	$2,50,000.00	$2,58,225.00	10-13-16-19-22-25-26
7	-$1,000.00	-$1,500.00	-
8	$0.01	$0.01	-
9	$800.00	$820.40	-
10	$3,500.00	$3,610.42	-
11	$3,00,000.00	$3,09,850.00	-

2)


Eclipse File Edit Source Refactor Navigate Search Project Run Window Help
Mon 8:44 PM
st - HomeWork4.1/src/Problem1.java - Eclipse IDE
Package Explorer JUnit
Finished after 0.089 seconds
Runs: 11/11 Errors: 0 Failures: 0
Problem1Test [Runner: JUnit 4] (0.002 s)
test (0.002 s)
[0] -0.01, -500.01 (test) (0.002 s)
[1] 0.0, -150.0 (test) (0.000 s)
[2] 799.99, 812.38 (test) (0.000 s)
[3] 3499.99, 3589.23 (test) (0.000 s)
[4] 249999.99, 257887.48 (test) (0.000 s)
[5] 250000.0, 258225.0 (test) (0.000 s)
[6] -1000.0, -1500.0 (test) (0.000 s)
[7] 0.01, 0.01 (test) (0.000 s)
[8] 800.0, 820.4 (test) (0.000 s)
[9] 3500.0, 3610.42 (test) (0.000 s)
[10] 300000.0, 309850.0 (test) (0.000 s)
Failure Trace
Problem1.java Problem1Test.java microwaveClassTestJUnitParams.java
public class Problem1 {
public double calcBalance(double balance) {
int index;
double rate[]= {0.0,0.0,0.0155,0.0255,0.03155,0.0325};
double fee[]= {500.0,150.0,0.0,0.0,0.0,0.0};
double credit [] = {0.0,0.0,0.0,0.0,0.0,0.0,100.0};
if(balance<0.0)
index=0;
else
if(Math.abs(balance-0.0)<0.005)
index=1;
else
if(balance<800.0)
index=2;
else
if(balance<3_500.0)
index=3;
else
if(balance<250_000.0)
index=4;
else
index=5;
return balance * (1.0 + rate[index])-fee[index]+ credit[index];
}
}
Task List
Connect Mylyn
Connect to your task and ALM tools or create a local task.
Outline
Problem1
calcBalance(double) : double
Problems Javadoc Declaration Coverage
Problem1Test (24-Jun-2019 7:58:38 PM)
Element Coverage Covered Instructions Missed Instructions Total Instructions
HomeWork4.1 100.0 % 337 0 337
Writable Smart Insert 28 : 1