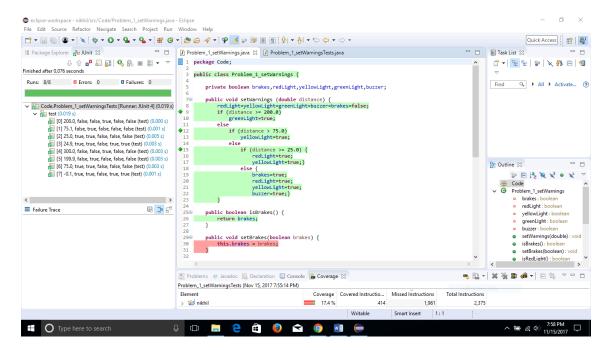
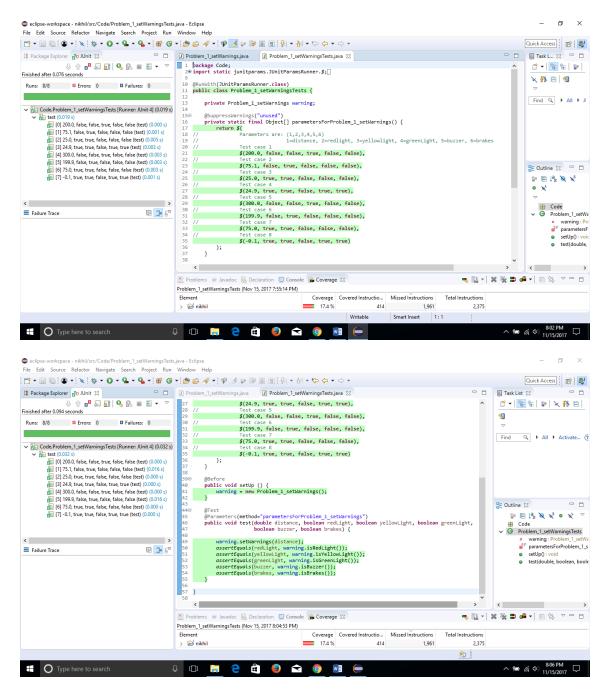
Nikhil Kajrekar, UTA ID: 1001552488

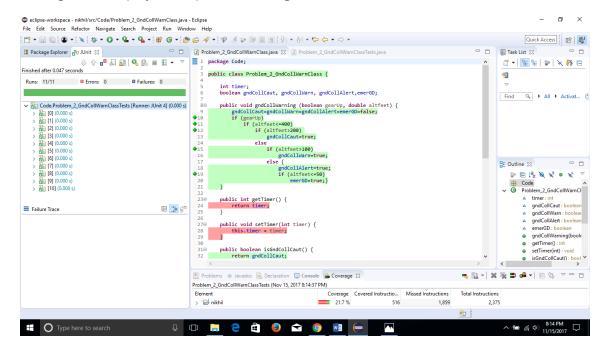
**Note**: Using Excel test case table data from class solutions for Problem 1 – Problem 4. Excel csv file for Problem 5 is attached in the zip file.

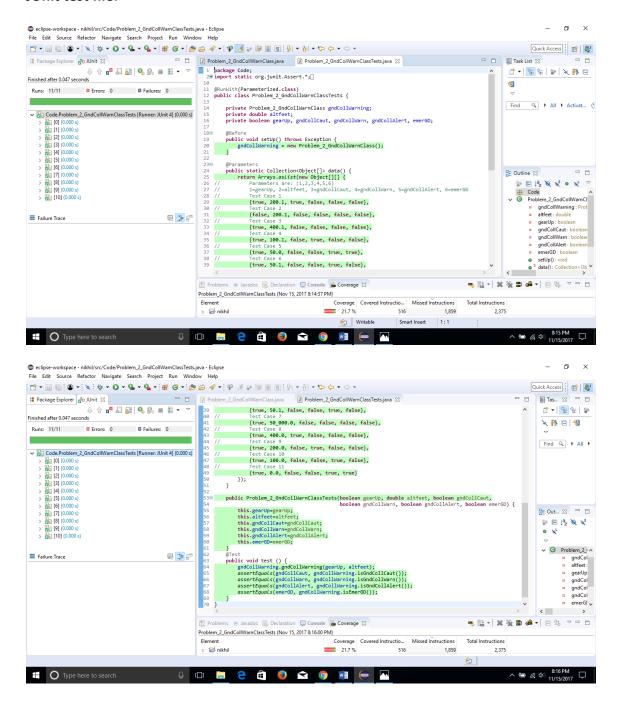
# Problem 1. Solution:



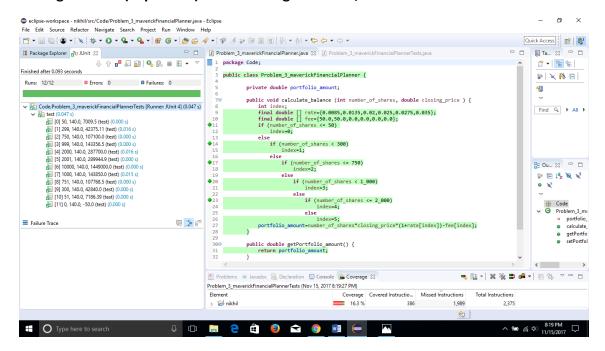


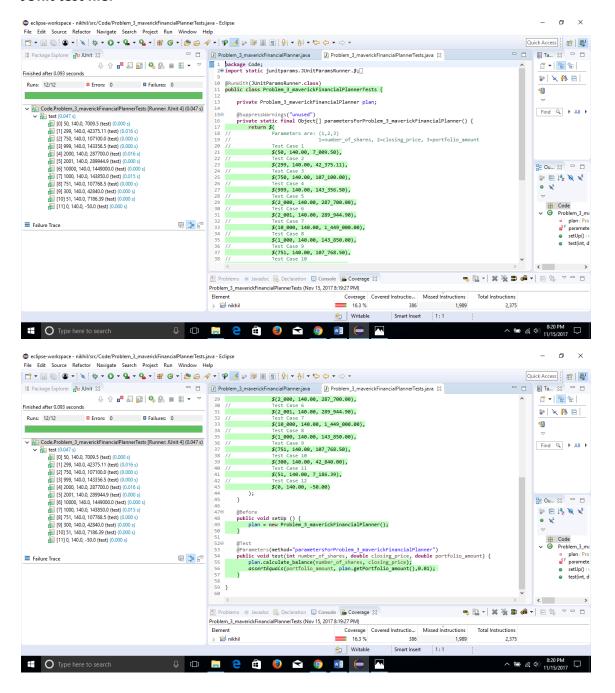
# Problem 2. Solution:



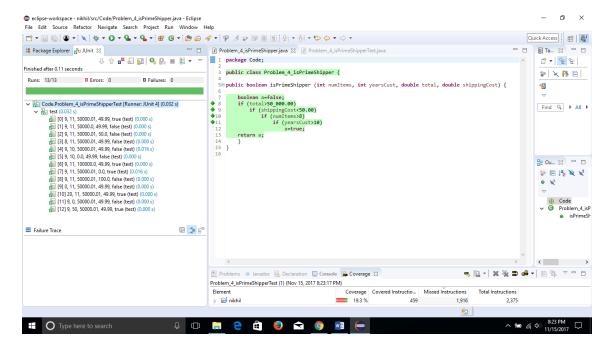


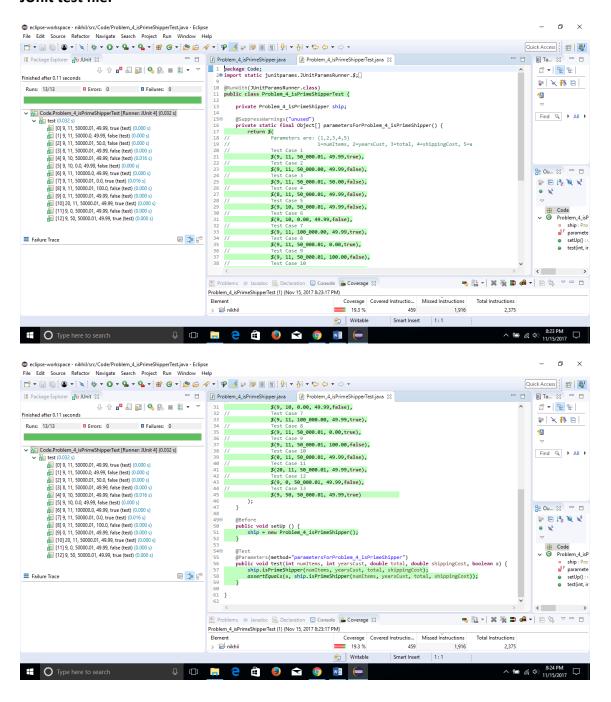
## Problem 3. Solution:





## Problem 4. Solution:





# Problem 5. Solution:

