PSA ASSIGNMENT 1

YASH KHOPKAR

001850102

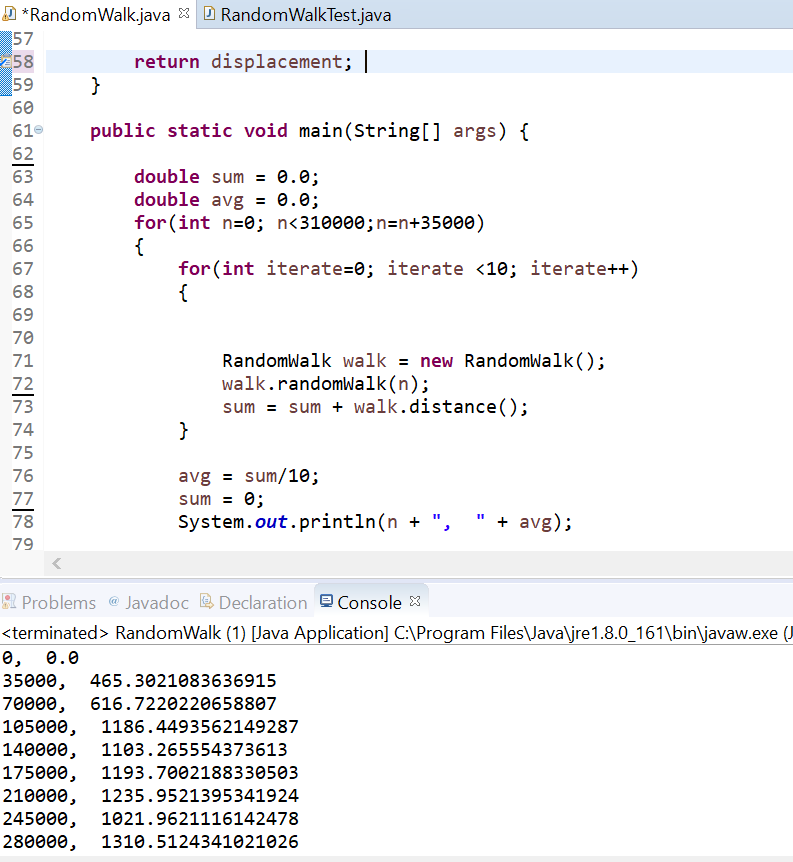
Relationship between l, n, d :

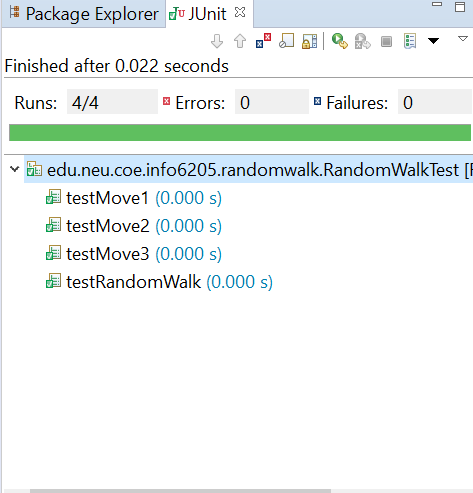
 The relationship between d, n and l is d=l \* sqrt(n) since if the person walks in a straight line the distance would be n times l, but since the person can walk in any random direction the distance would be the root mean square of the distance traveled by the person.

SCREEN SHOTS OF TESTS ARE ATTATCHED BELOW.

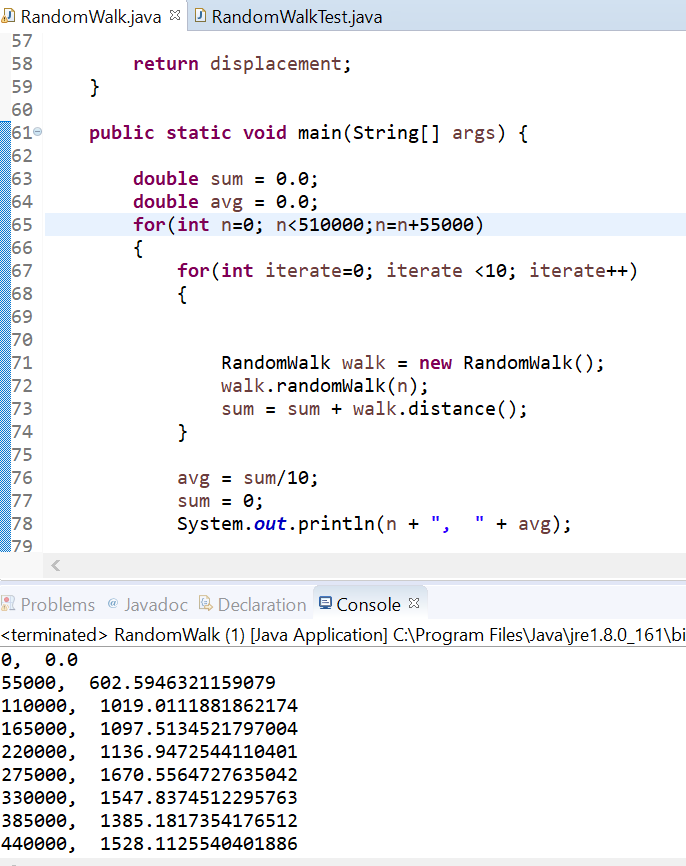
**SCREENSHOTS:**

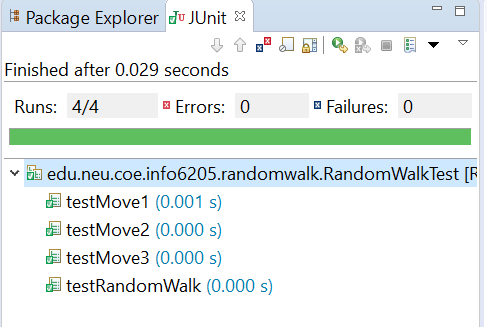
1)





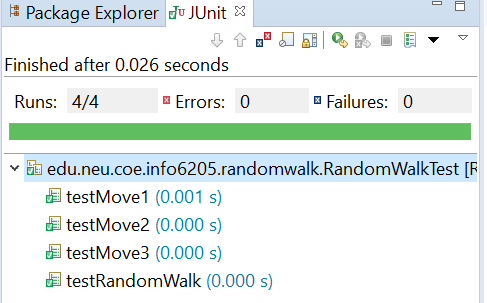
2)



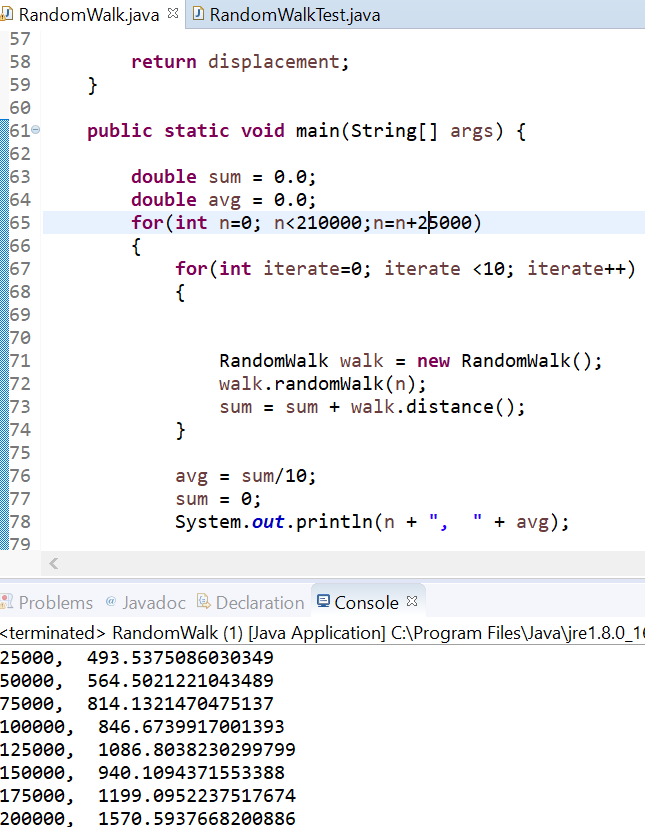


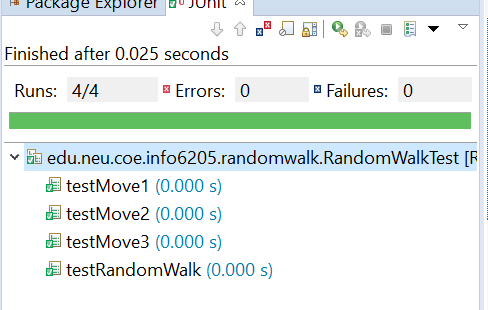
3)

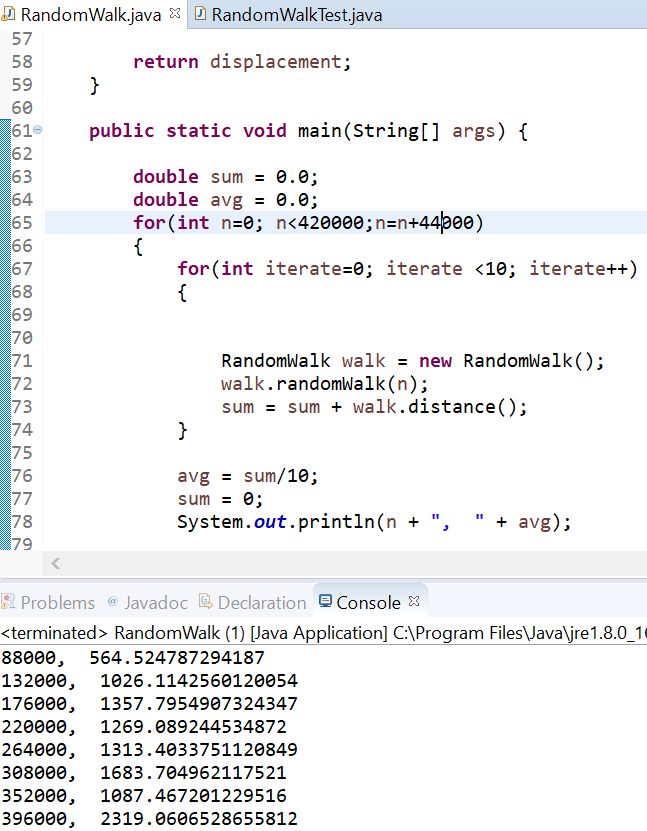


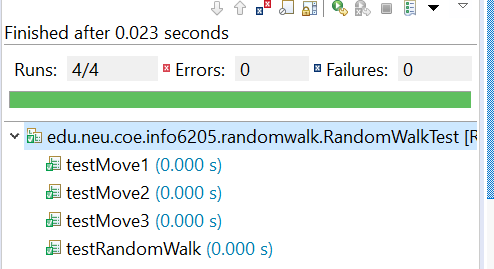


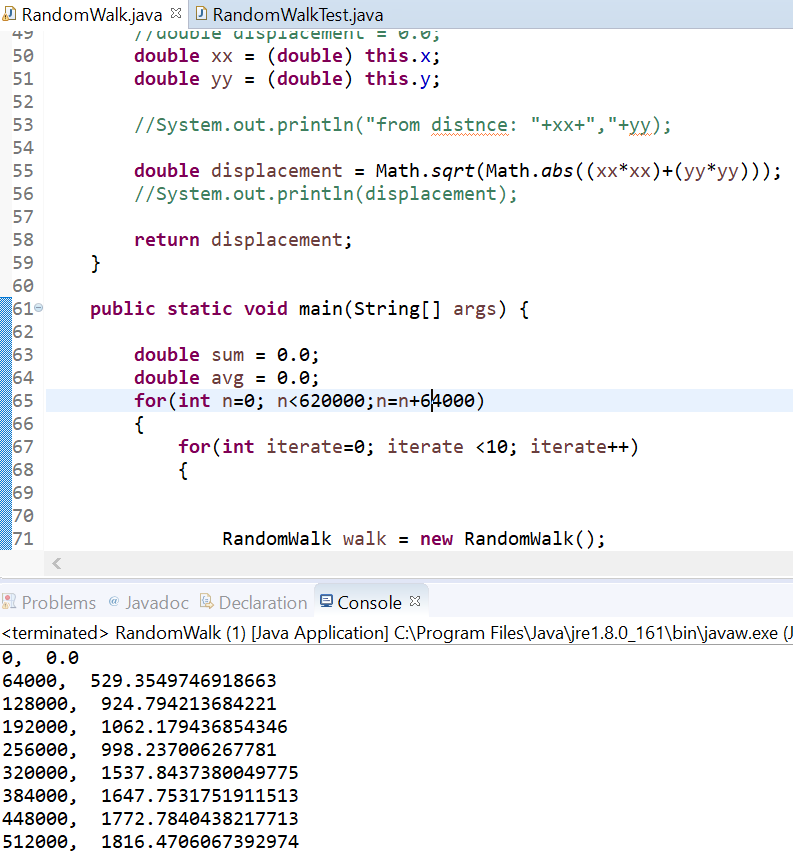
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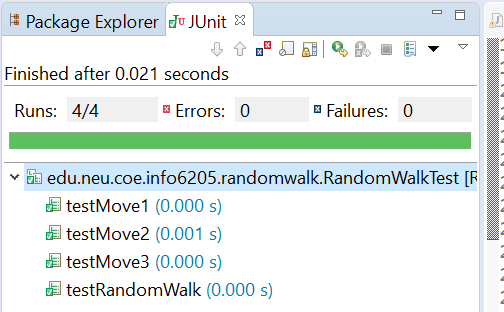


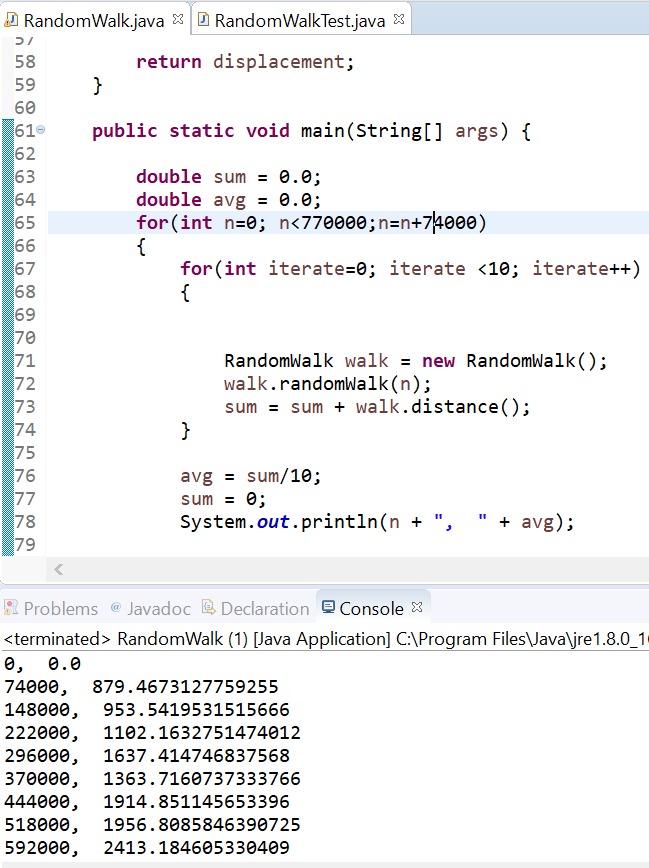


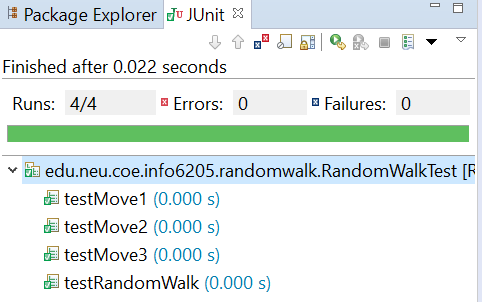
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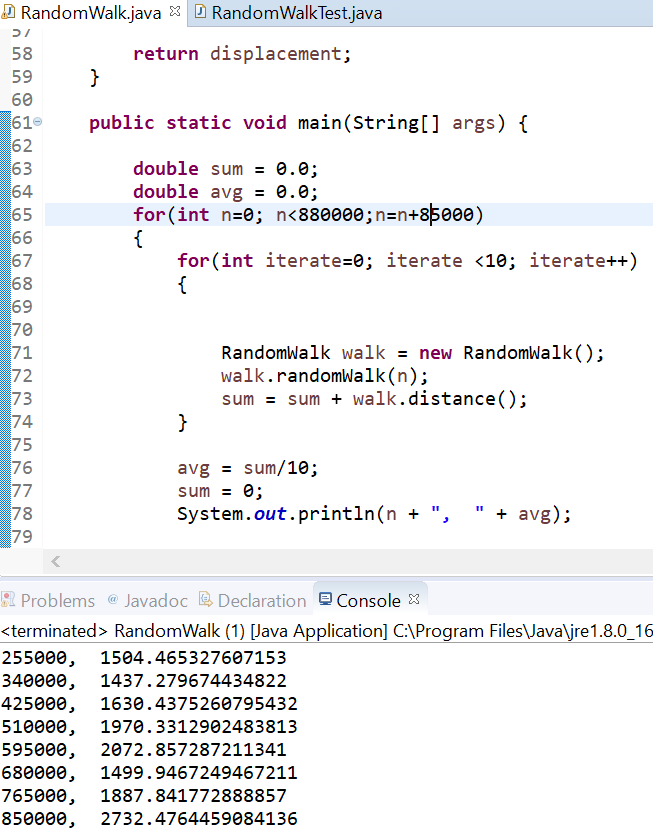


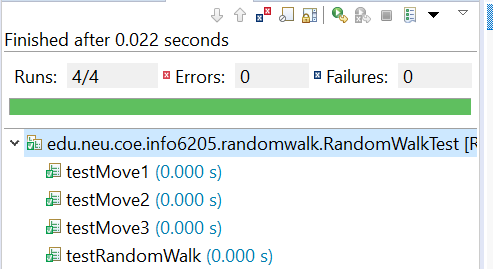
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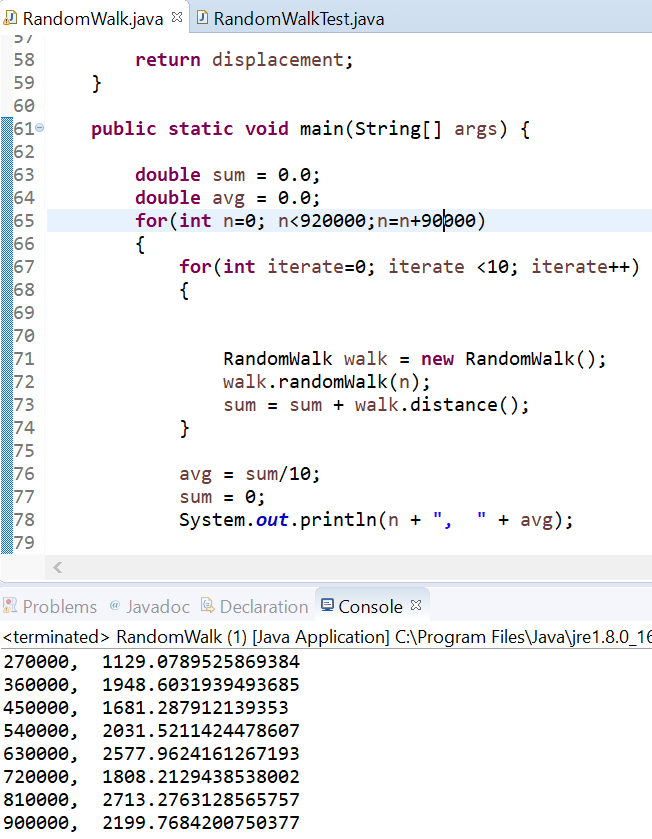


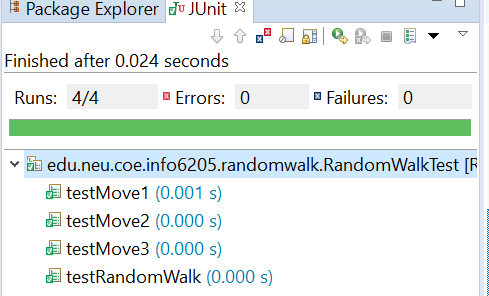
7)



8) 



9) 



10) 