## Yuhan Yang (001094267)

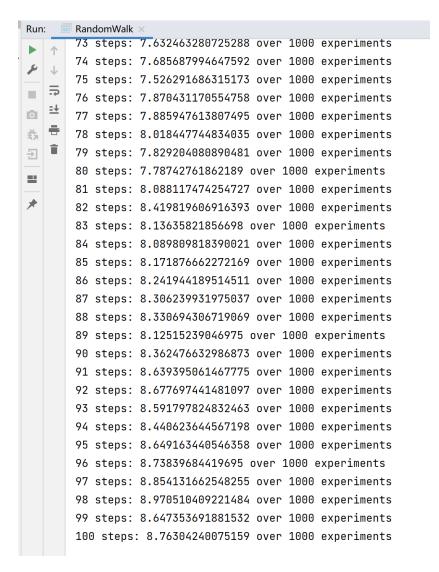
## Program Structures & Algorithms Fall 2021

## Assignment No. 1

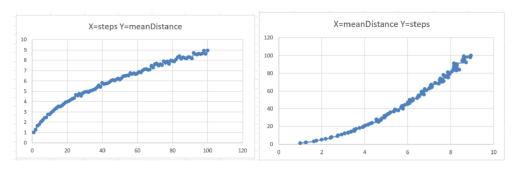
- Task (List down the tasks performed in the Assignment)
  - 1. Your conclusion about the relationship between d and n;
  - 2. Your evidence to support that relationship (screen shot and/or graph and/or spreadsheet);
  - 3. Your code (RandomWalk.java plus anything else that you changed or created);
  - 4. A screen shot of the unit tests all passing.
- ⊙ Relationship Conclusion: (For ex : z = a \* b)

```
n=avg(d)^2 (n: steps; d: mean distance)
```

- Evidence to support the conclusion:
- 1. Output (Snapshot of Code output in the terminal)



2. Graphical Representation(Observations from experiments should be tabulated and analyzed by plotting graphs(usually in excel) to arrive on the relationship conclusion)



Unit tests result:(Snapshot of successful unit test run)

