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Program Structures & Algorithms

Fall 2021

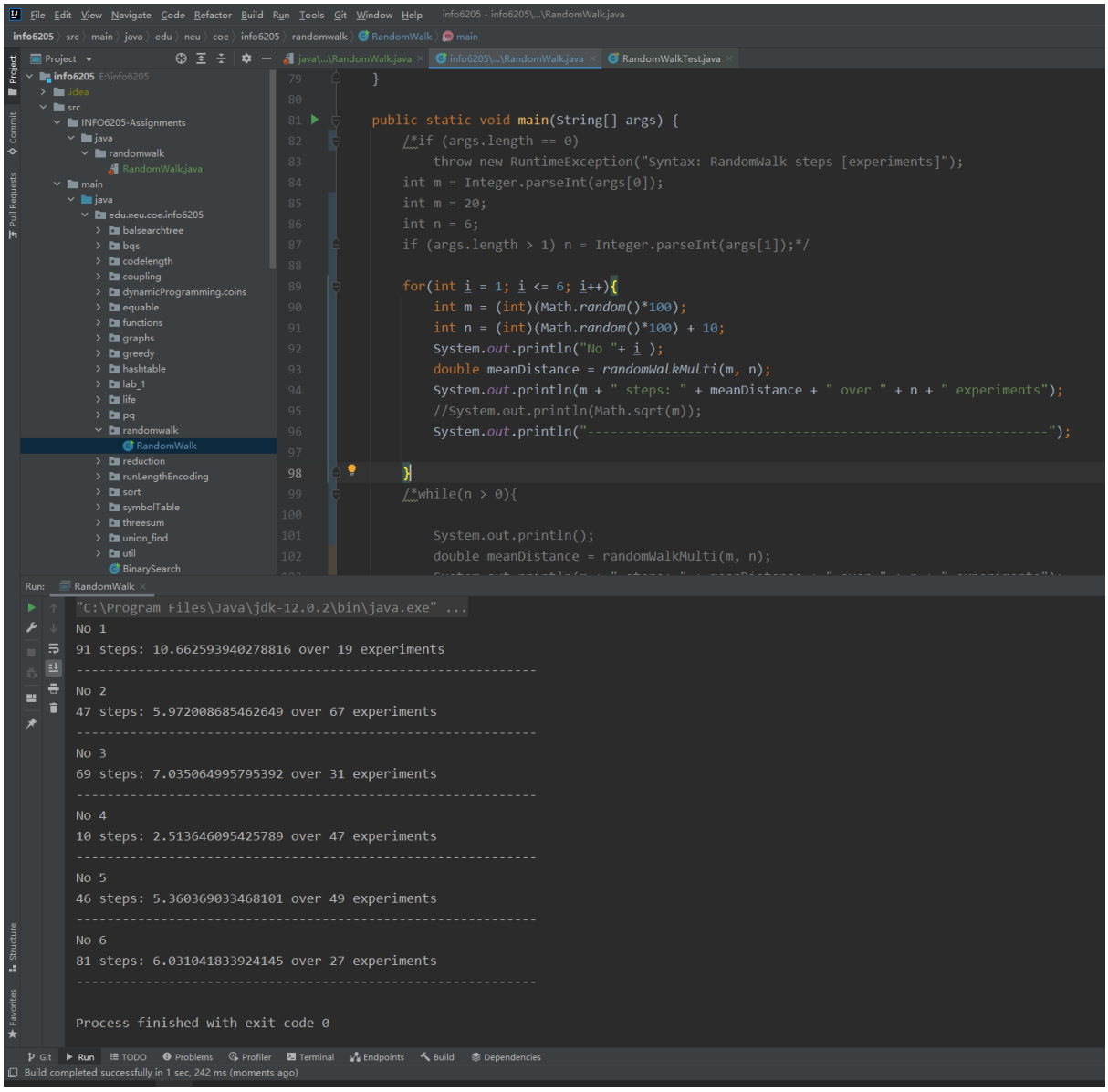
Assignment No. 1

- **Task 1. m = 91, n = 19, mean distance = 10.662593940278816**
- **Task 2. m= 47, n = 67, mean distance = 5.972008685462649**
- **Task 3. m = 69, n = 31, mean distance = 7.035064995795392**
- **Task 4. m = 10, n = 47, mean distance = 2.513646095425789**
- **Task 5. m = 46, n = 49, mean distance = 5.360369033468101**
- **Task 6. m = 81, n = 27, mean distance = 6.031041833924145**

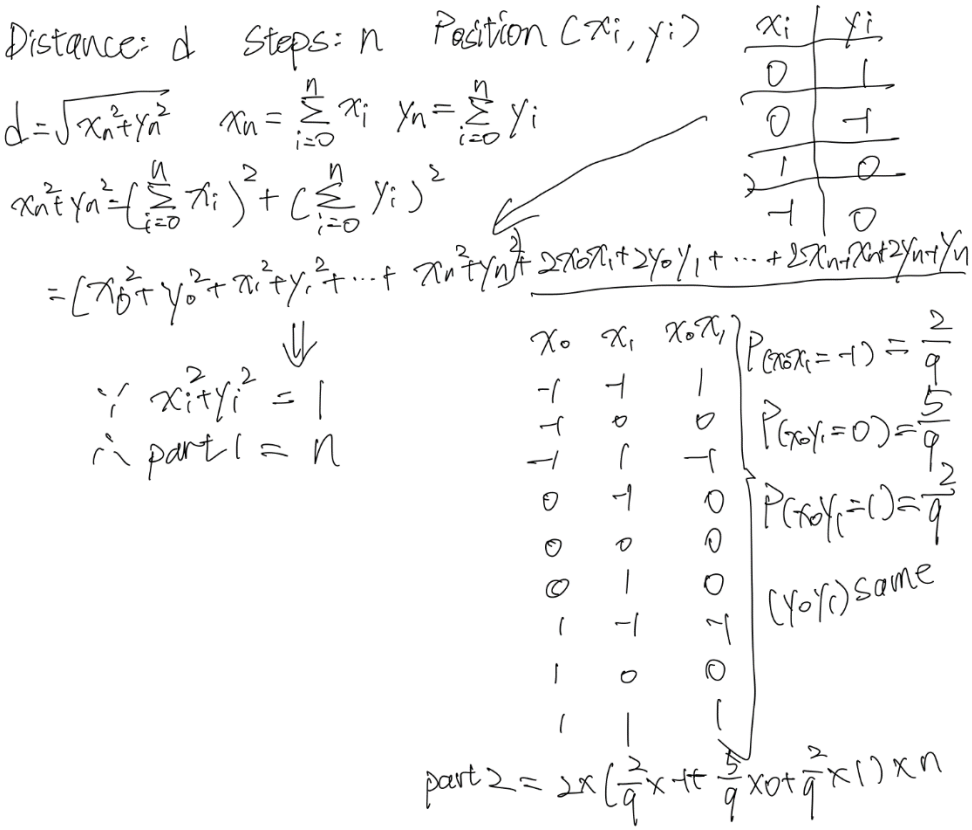
- **Relationship Conclusion: d = $\sqrt{n}$**

- **Evidence to support the conclusion:**

1. **Output**



2. **Graphical Representation**



Unit tests result: