# rogram Structures & Algorithms

# Spring 2022

# Assignment No. 3

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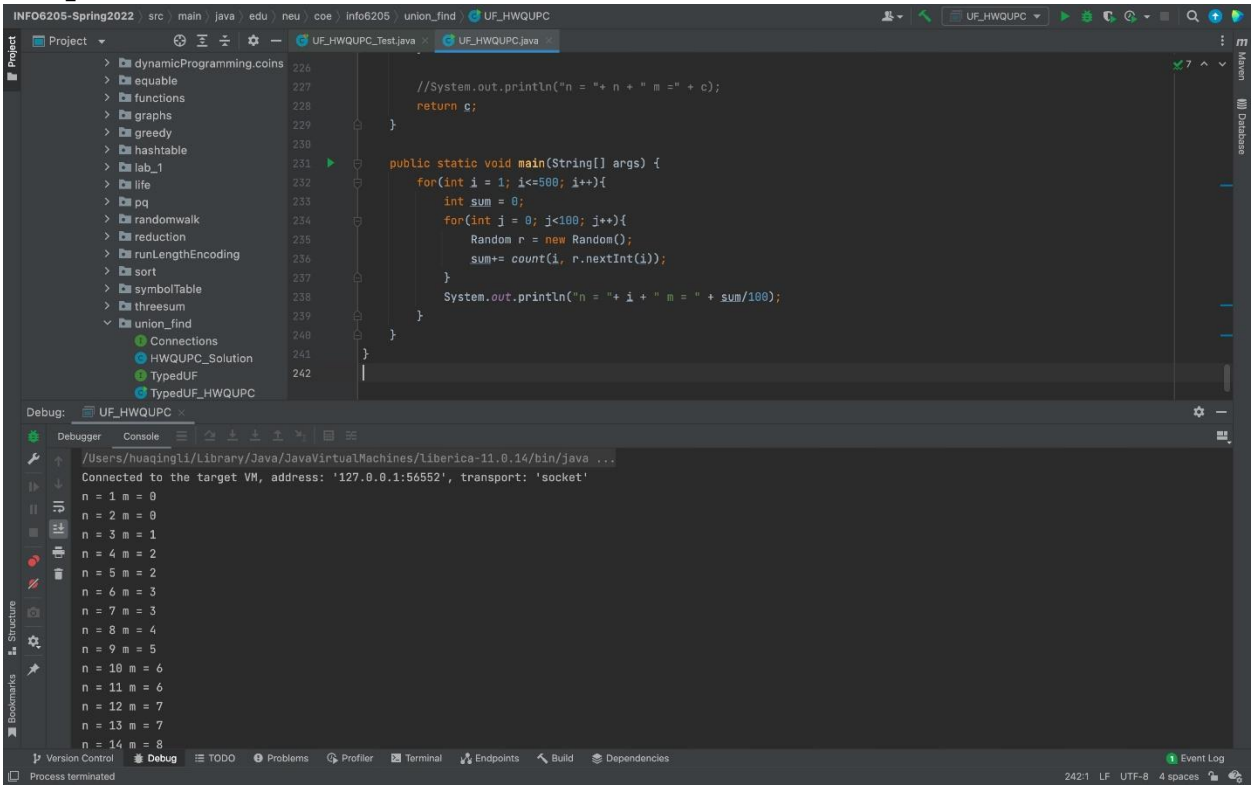
- **Task**

  **WQUPC**

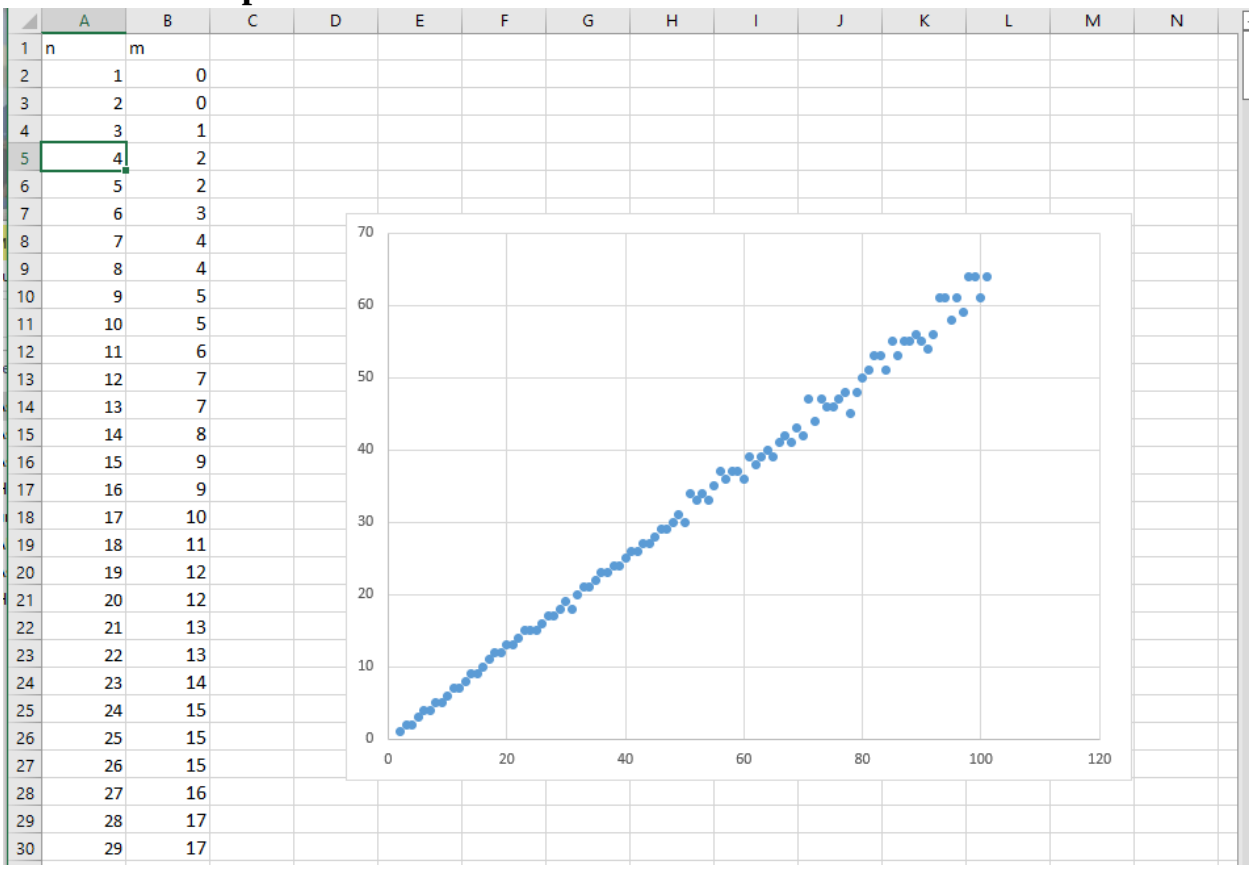
- **Output screenshot**



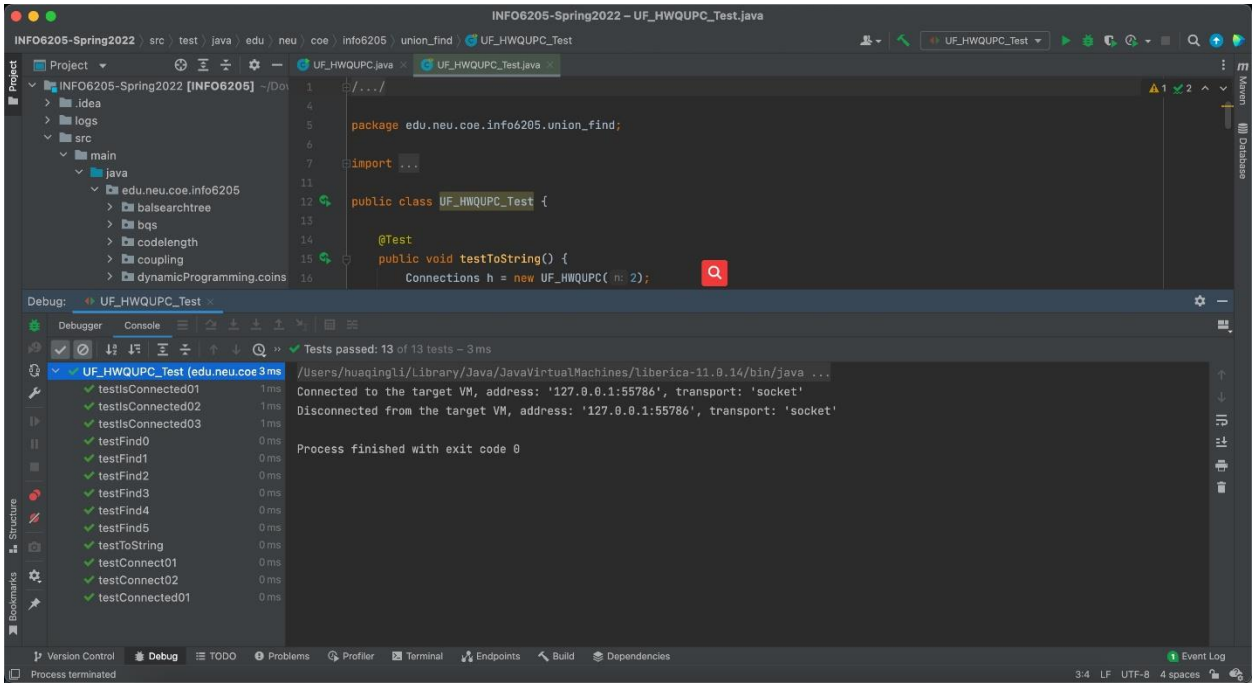

- **Relationship Conclusion**

  M = C*n (C = Constant)

- **Evidence / Graph**



| n | m |
|---|---|
| 1 | 0 |
| 2 | 0 |
| 3 | 1 |
| 4 | 2 |
| 5 | 2 |
| 6 | 3 |
| 7 | 4 |
| 8 | 4 |
| 9 | 5 |
| 10 | 5 |
| 11 | 6 |
| 12 | 7 |
| 13 | 7 |
| 14 | 8 |
| 15 | 9 |
| 16 | 9 |
| 17 | 10 |
| 18 | 11 |
| 19 | 12 |
| 20 | 12 |
| 21 | 13 |
| 22 | 13 |
| 23 | 14 |
| 24 | 15 |
| 25 | 15 |
| 26 | 15 |
| 27 | 16 |
| 28 | 17 |
| 29 | 17 |



- **Unit tests result**