## Count Numbers

Read a **list of integers** in range [0…1000] and **print them in ascending order** along with their **number of occurrences**.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 8 2 2 8 2 2 3 7 | 2 -> 4  3 -> 1  7 -> 1  8 -> 2 |
| 10 8 8 10 10 | 8 -> 2  10 -> 3 |