

Jewels and Stones

# Index	771
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References

Jewels and Stones - LeetCode

Can you solve this real interview question?
Jewels and Stones - You're given strings jewels representing the types of stones that are
🔗 <https://leetcode.com/problems/jewels-and-stones/>



파이썬 알고리즘 인터뷰

2021 세종도서 학술부문 선정작. 현업과 실무에 유용한 주요 알고리즘 이론을 깊숙이 이해하고, 파이썬의 핵심 기능과 문법 까지 상세하게 이해할 수 있는 취업용 코딩 테스트를 위한 완벽
🔗 <https://www.aladin.co.kr/shop/wproduct.aspx?ItemId=245495826>



References

- [1. Python HashTable](#)
- [2. Python Counter](#)
- [3. Python List Comprehension](#)

1. Python HashTable

1.1. Solution 1

```
class Solution:
    def numJewelsInStones(self, jewels: str, stones: str) -> int:
        jewels_dict = dict()
```

```

answer = 0
for j in jewels:
    jewels_dict[j] = 1
for s in stones:
    answer += jewels_dict.get(s, 0)

return answer

```

1.2. Solution 2

```

class Solution:
    def numJewelsInStones(self, jewels: str, stones: str) -> int:
        freq = dict()
        answer = 0
        for s in stones:
            freq[s] = 1
        for j in jewels:
            answer += freq.get(j, 0)

        return answer

```

2. Python Counter

```

class Solution:
    def numJewelsInStones(self, jewels: str, stones: str) -> int:
        freq = collections.Counter(stones)
        answer = 0
        for j in jewels:
            answer += freq[j]

        return answer

```

- `collections.Counter(element)`: return dictionary counting the number of duplicated data in `element`
 - search `(key, value)`: return 0 if `key` doesn't exist

3. Python List Comprehension

```

class Solution:
    def numJewelsInStones(self, jewels: str, stones: str) -> int:
        return sum(s in jewels for s in stones)

```