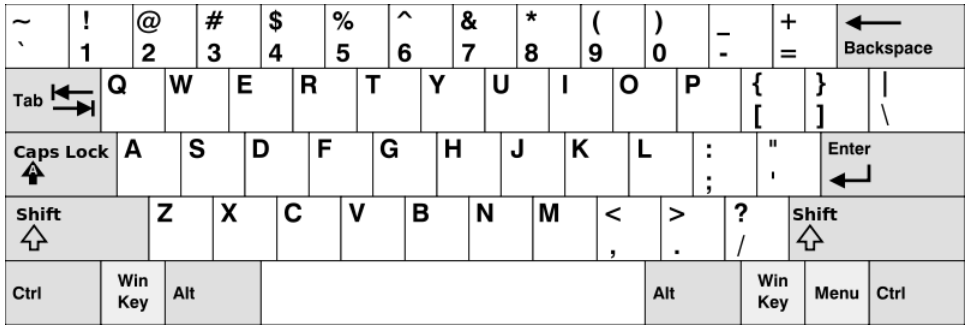
500. Keyboard Row

Easy 701 791 Add to List Share

Given an array of strings `words`, return *the words that can be typed using letters of the alphabet on only one row of American keyboard like the image below.*

In the **American keyboard**:

- the first row consists of the characters `"qwertyuiop"`,
- the second row consists of the characters `"asdfghjkl"`, and
- the third row consists of the characters `"zxcvbnm"`.



Example 1:

```
Input: words = ["Hello","Alaska","Dad","Peace"]
Output: ["Alaska","Dad"]
```

Example 2:

```
Input: words = ["omk"]
Output: []
```

Example 3:

```
Input: words = ["adsdf","sfd"]
Output: ["adsdf","sfd"]
```

Constraints:

```python
class Solution:
    def findWords(self, words: List[str]) -> List[str]:

        set1 = set("qwertyuiop")
        set2 = set("asdfghjkl")
        set3 = set("zxcvbnm")

        output = []
        for i in words :
            c=0
            word_set = set(str.lower(i))

            if word_set.issubset(set1): c += 1
            if word_set.issubset(set2): c += 1
            if word_set.issubset(set3): c += 1

            if c==1 :
                output.append(str(i))

        return (output)
```

Testcase | Run Code Result | Debugger

Accepted Runtime: 40 ms

Your input	["Hello","Alaska","Dad","Peace"]
Output	["Alaska","Dad"]
Expected	["Alaska","Dad"]

Diff

Console Use Example Testcases