Matrix Script

Your Matrix Script submission got 100.00 points. Share Tweet

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Neo has a complex *matrix script*. The *matrix script* is a N X M grid of strings. It consists of alphanumeric characters, spaces and symbols (!,@,#,$,%,&).

Matrix Script

Matrix Decoded

```
This$#is% Matrix#  %!
```

To decode the script, Neo needs to read each column and select only the alphanumeric characters and connect them. Neo reads the column from top to bottom and starts reading from the leftmost column.

If there are symbols or spaces between two alphanumeric characters of the decoded script, then Neo replaces them with a *single* space ' ' for better readability.

Neo feels that there is no need to use '`if`' conditions for decoding.

Alphanumeric characters consist of: [A-Z, a-z, and 0-9].

Input Format

The first line contains space-separated integers N (rows) and M (columns) respectively.
The next N lines contain the row elements of the *matrix script*.

Constraints

$0 < N, M < 100$

Note: A 0 score will be awarded for using '`if`' conditions in your code.

Output Format

Print the decoded *matrix script*.

Sample Input 0

Solved score: 99.00pts

Author	DOSHI
Difficulty	Hard
Max Score	100
Submitted By	5139

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```
7 3
Tsi
h%x
i #
sM
$a
#t%
ir!
```

Sample Output 0

```
This is Matrix#  %!
```

Explanation 0

The decoded script is:

```
This$#is% Matrix#  %!
```

Neo replaces the symbols or spaces between two alphanumeric characters with a single space `' '` for better readability.

So, the final decoded script is:

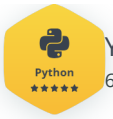
```
This is Matrix#  %!
```

Current Buffer (saved locally, editable) Python 3

```python
#!/bin/python3

import math
import os
import random
import re
import sys

nm = input().split()

n = int(nm[0])
m = int(nm[1])
matrix = []
for _ in range(n):
    matrix_item = input()
    matrix.append(matrix_item)
s=""
for i in zip(*matrix):
  s=s+''.join(i)
print(re.sub(r"(?<=\w)([^\w]+)(?=\w)", " ", s))

```

Line: 1 Col: 1

Upload Code as File Test against custom input Run Code Submit Code



You have earned 100.00 points!
68/115 challenges solved.

59%

Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

Testcase 0 Testcase 1 Testcase 2 Testcase 3

8 Testcases

Input (stdin) Download

```
7 3
Tsi
h%x
```

Expected Output Download

```
This is Matrix#  %!
```

Compiler Message

```
Success
```