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Programming Assignment-3: Matrix

Due on 2020-02-27, 23:59 IST

You are provided with the number of rows (R) and columns (C). Your task is to generate the matrix having R rows and C columns such that all the numbers are in increasing order starting from 1 in row wise manner.

Input Format:
The first line contain two numbers R and C separated by a space.

Output Format:
Print the elements of the matrix with each row in a new line and elements of each row are separated by a space.

NOTE: There should not be any space after the last element of each row and no new line after the last row.

Example:

Input:
3 3

Output:
1 2 3
4 5 6
7 8 9

Explanation:
Starting from the first row, the numbers are present in the increasing order. Since it's a 3X3 matrix, the numbers are from 1 to 9.

Sample Test Cases

Input	Output

Test Case 1	`4 4`	`1 2 3 4`
		`5 6 7 8`
		`9 10 11 12`
		`13 14 15 16`

Test Case 2	`5 5`	`1 2 3 4 5`
		`6 7 8 9 10`
		`11 12 13 14 15`
		`16 17 18 19 20`
		`21 22 23 24 25`

Test Case 3	`10 10`	`1 2 3 4 5 6 7 8 9 10`
		`11 12 13 14 15 16 17 18 19 20`
		`21 22 23 24 25 26 27 28 29 30`
		`31 32 33 34 35 36 37 38 39 40`
		`41 42 43 44 45 46 47 48 49 50`
		`51 52 53 54 55 56 57 58 59 60`
		`61 62 63 64 65 66 67 68 69 70`
		`71 72 73 74 75 76 77 78 79 80`
		`81 82 83 84 85 86 87 88 89 90`
		`91 92 93 94 95 96 97 98 99 100`

Test Case 4	`2 3`	`1 2 3` `4 5 6`

Test Case 5	`3 2`	`1 2`
		`3 4`
		`5 6`

Test Case 6	`3 4`	`1 2 3 4`
		`5 6 7 8`
		`9 10 11 12`

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.
Sample solutions (Provided by instructor)

```
a,b=map(int,input().split())

count=1
m = []
for i in range(1,a+1):
    l = []
    for j in range(1,b+1):
        l.append(count)
        count+=1
    m.append(l)

for i in range(a):
    for j in range(b):
        if(j==b-1):
            print(m[i][j], end="")
        else:
            print(m[i][j], end=" ")
    if(i!=a-1):
        print()
```

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- Birthday Paradox - Find your twin 05 (unit?unit=59&lesson=76)
- What's your favourite movie? (unit?unit=59&lesson=77)
- Guess the Movie Name 01 (unit?unit=59&lesson=78)
- Guess the Movie Name 02 (unit?unit=59&lesson=79)
- Guess the Movie Name 03 (unit?unit=59&lesson=80)
- Guess the Movie Name 04 (unit?unit=59&lesson=81)
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- **Programming Assignment-3: Matrix (/noc20_cs35/progassignment?name=282)**
- Week 4 Feedback (unit?unit=59&lesson=283)

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Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

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