Quiz 3

COMP9021 Principles of Programming

2016 session 2

Sample outputs

```
$ python3 quiz_3.py
Enter two integers, the second one being strictly positive: 0 1
Here is the grid that has been generated:
     0 0 0 0 0 0 0 0 0 0
     0 0 0 0 0 0 0 0 0 0
     0 0 0 0 0 0 0 0 0 0
     0 0 0 0 0 0 0 0 0 0
     0 0 0 0 0 0 0 0 0 0
     0 0 0 0 0 0 0 0 0 0
     0 0 0 0 0 0 0 0 0 0
     0 0 0 0 0 0 0 0 0 0
     0 0 0 0 0 0 0 0 0 0
     0 0 0 0 0 0 0 0 0 0

The largest block construction has 0 blocks.
$ python3 quiz_3.py
Enter two integers, the second one being strictly positive: 0 2
Here is the grid that has been generated:
     1 1 0 1 1 1 1 1 1 0
     0 1 0 0 1 0 1 0 0 1
     1 0 1 1 1 0 1 1 1 0
     0 0 1 0 1 1 0 1 0 0
     0 0 0 1 0 0 1 1 0 1
     1 0 1 0 1 1 0 1 1 0
     1 0 0 0 0 1 1 0 0 0
     0 0 0 1 1 0 0 1 1 1
     1 1 0 1 0 1 1 0 0 0
     1 0 0 1 0 1 1 0 0 0

The largest block construction has 6 blocks.
```

```
$ python3 quiz_3.py
Enter two integers, the second one being strictly positive: 0 3
Here is the grid that has been generated:
    1 1 0 1 1 1 1 1 1 1
    1 0 1 0 1 0 0 1 1 1
    1 1 0 1 0 1 0 1 1 1
    1 0 1 1 1 1 1 0 1 1
    1 1 1 0 1 0 0 1 1 1
    1 1 0 1 1 1 0 1 1 1
    0 0 1 0 0 0 1 1 0 0
    1 1 1 0 1 1 1 1 0 1
    1 1 0 1 1 1 1 1 0 1
    1 1 1 0 1 0 0 0 0 1

The largest block construction has 14 blocks.
$ python3 quiz_3.py
Enter two integers, the second one being strictly positive: 0 4
Here is the grid that has been generated:
    1 1 0 1 1 1 1 1 1 1
    1 1 1 0 1 1 1 0 0 1
    1 0 1 1 1 1 1 1 1 0
    0 0 1 0 1 1 1 1 0 1
    1 1 1 1 0 0 1 1 0 1
    1 0 1 1 1 1 0 1 1 1
    1 1 1 1 0 1 1 0 0 1
    1 0 0 1 1 1 1 1 1 1
    1 1 0 1 0 1 1 1 1 0
    1 0 1 1 1 1 1 0 0 1

The largest block construction has 17 blocks.
```

```
$ python3 quiz_3.py
Enter two integers, the second one being strictly positive: 0 5
Here is the grid that has been generated:
     1 1 0 1 1 1 1 1 1 1
     1 1 1 1 1 1 0 1 1 1
     1 1 1 0 0 1 1 1 0 1
     1 1 1 1 1 1 1 1 1 0
     1 0 0 1 0 1 1 1 1 1
     0 1 1 1 1 1 1 1 0 0
     1 1 1 0 1 1 1 0 1 1
     1 1 1 1 1 1 1 0 1 1
     1 1 1 1 1 1 1 0 1 1
     1 0 0 1 1 0 0 1 1 1

The largest block construction has 30 blocks.
$ python3 quiz_3.py
Enter two integers, the second one being strictly positive: 0 6
Here is the grid that has been generated:
     1 1 0 1 1 1 1 1 1 1
     1 1 1 1 1 1 0 1 1 1
     1 1 1 1 0 1 0 1 1 1
     1 0 1 1 1 1 1 1 1 1
     1 1 1 0 1 0 0 1 1 1
     1 1 0 1 1 1 1 1 1 1
     0 1 1 1 1 1 1 1 0 0
     1 1 1 0 1 1 1 1 0 1
     1 1 1 1 1 1 1 1 0 1
     1 1 1 1 1 1 1 1 0 1

The largest block construction has 39 blocks.
```