QUIZ 6

COMP9021 PRINCIPLES OF PROGRAMMING

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$ python3 quiz_6.py
Enter two integers, the second one being strictly positive: 0 8
Here is the grid that has been generated:
    1 1 0 1 1 1 1 1 1
    1 1 1 1 1 1 1 1 1
    1 1 1 1 1 1 1 1 0
    0 1 1 0 1 1 1 1 1
    1 1 1 1 1 1 1 1 1
    1 1 1 1 1 1 1 1 1
    1 1 1 1 0 1 1 1 1
    1 0 1 1 1 1 1 1 1
    1 1 1 1 1 1 1 1 0
    1 1 1 1 1 1 1 0 1 1
The maximum number of spikes of some shape is: 1

$ python3 quiz_6.py
Enter two integers, the second one being strictly positive: 0 7
Here is the grid that has been generated:
    1 1 1 1 0 1 1 1 1 1
    1 1 1 1 1 1 1 1 1 1
    1 0 1 1 1 1 1 1 1 1
    1 0 1 0 1 1 1 1 1 0
    1 1 1 1 1 1 1 1 1 1
    1 1 0 1 1 0 0 1 1 1
    1 1 1 1 1 0 1 1 1 1
    1 1 1 1 1 1 0 1 1 1
    1 1 1 1 1 1 0 0 1 1
    1 0 1 1 1 1 0 1 1 1
The maximum number of spikes of some shape is: 3

$ python3 quiz_6.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 maximum number of spikes of some shape is: 7
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```
$ python3 quiz_6.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 0 0 1
The maximum number of spikes of some shape is: 8

$ python3 quiz_6.py
Enter two integers, the second one being strictly positive: 1 2
Here is the grid that has been generated:
    0 0 1 0 1 1 1 1 0 0
    1 0 1 1 0 1 1 0 0 1
    0 0 0 0 1 0 1 0 0 1
    1 0 1 0 0 1 1 0 1 0
    0 1 0 1 1 0 1 1 1 1
    0 1 0 1 1 0 1 1 0 1
    0 0 1 1 1 0 1 0 1 1
    0 0 0 0 0 0 1 1 1 1
    1 0 1 0 0 1 0 1 1 0
    1 1 1 1 1 0 1 1 0 0
The maximum number of spikes of some shape is: 5

$ python3 quiz_6.py
Enter two integers, the second one being strictly positive: 2 2
Here is the grid that has been generated:
    0 0 0 1 0 1 1 0 0 0
    1 1 1 1 1 0 0 1 1 1
    1 1 0 0 0 0 0 0 1 0
    0 1 0 1 1 1 1 1 1 0
    1 1 0 1 1 1 1 1 1 1
    1 1 0 1 0 1 1 1 1 1
    1 0 1 1 0 1 0 0 0 0
    0 1 0 0 0 1 0 0 0 1
    0 0 1 1 0 0 0 0 0 0
    0 0 0 1 1 0 0 0 0 1

The maximum number of spikes of some shape is: 4
```