QUIZ 5

COMP9021 PRINCIPLES OF PROGRAMMING

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$  python3 quiz_5.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
There is no parallelogram with horizontal sides.
$  python3 quiz_5.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 parallelogram with horizontal sides has a size of 4.
$  python3 quiz_5.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 parallelogram with horizontal sides has a size of 12.
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Date: Term 3, 2020.

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$  python3 quiz_5.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 parallelogram with horizontal sides has a size of 12.
$  python3 quiz_5.py
Enter two integers, the second one being strictly positive:  1 4
Here is the grid that has been generated:
    1 0 1 0 1 1 1 1 1 0
    1 0 1 1 0 1 1 1 0 1
    0 0 0 0 1 1 1 0 1 1
    1 1 1 1 1 1 1 0 1 0
    1 1 0 1 1 1 1 1 1 1
    0 1 1 1 1 1 1 1 0 1
    0 1 1 1 1 0 1 0 1 1
    1 1 1 0 1 1 1 1 1 1
    1 0 1 1 1 1 0 1 1 1
    1 1 1 1 1 0 1 1 0 1
The largest parallelogram with horizontal sides has a size of 16.
$  python3 quiz_5.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 1 0 1
    1 0 0 1 1 0 0 1 1 1
The largest parallelogram with horizontal sides has a size of 15.
```