# **Coding Quiz 5**

# COMP9021 PRINCIPLES OF PROGRAMMING Term 3, 2022

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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
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\ 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
    100101000
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.
```

# 

Enter two integers, the second one being strictly positive: 0 4 Here is the grid that has been generated:

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:

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:

The largest parallelogram with horizontal sides has a size of 15.