## Quiz 5

COMP9021 Principles of Programming

2015 session 2

## Sample outputs

```
$ python3 quiz_5.py
Enter 2 integers, the second one being nonnegative: 0 0
Here is the grid that has been generated:
    00000000000
    0 0 0 0 0 0 0 0 0 0
    0}00000000000
    0}00000000000
    0 0 0 0 0 0 0 0 0 0
    0 0 0 0 0 0 0 0 0 0
    00000000000
    0 0 0 0 0 0 0 0 0 0
    0}00000000000
    000000000000
```

The size of the largest area with a checkers structure is 1
\$ python3 quiz_5.py
Enter 2 integers, the second one being nonnegative: 020
Here is the grid that has been generated:
$\begin{array}{llllllllll}1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1\end{array}$
$\begin{array}{llllllllll}1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1\end{array}$
$\begin{array}{llllllllll}1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1\end{array}$
$\begin{array}{llllllllll}1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1\end{array}$
$1 \begin{array}{lllllllll}1 & 1 & 0 & 1 & 1 & 1 & 0 & 1 & 1\end{array}$
$\begin{array}{llllllllll}1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1\end{array}$
$\begin{array}{llllllllll}1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1\end{array}$
$\begin{array}{llllllllll}1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1\end{array}$
$\begin{array}{llllllllll}1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1\end{array}$
$\begin{array}{llllllllll}1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1\end{array}$
The size of the largest area with a checkers structure is 5

```
$ python3 quiz_5.py
Enter 2 integers, the second one being nonnegative: 0 12
Here is the grid that has been generated:
    1 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 11 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 1 1 1 1 1 1 1 1 1 1
The size of the largest area with a checkers structure is 7
$ python3 quiz_5.py
Enter 2 integers, the second one being nonnegative: 0 10
Here is the grid that has been generated:
    1 11 0 1 1 1 1 1 1 1 1
```



```
    1
    1
    1 0 1 0 1 1 1 1 1 1 0 1
    1
    1
    1
    1
    1 0 1 1 1 1 1 1 1 1 1 1
The size of the largest area with a checkers structure is 9
```

```
$ python3 quiz_5.py
Enter 2 integers, the second one being nonnegative: 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 1 1 0 1 1 1
    1 11 1 1 0 1 0 1 1 1
    1 0
    1 1 1 1 0 1 0 0 1 1 1
```



```
    0}1111111111111100
    1 1 1 1 0 1 1 1 1 0 1
```



```
    1 11111111111
The size of the largest area with a checkers structure is 11
$ python3 quiz_5.py
Enter 2 integers, the second one being nonnegative: 0 3
Here is the grid that has been generated:
    1 11 0 1 1 1 1 1 1 1 1
    1}111110011111000
    1 0 1 1 1 1 1 1 1 1 1 0
    0 0 1 0 1 1 1 1 1 0 1
    1 1 1 1 1 0 0 1 1 0 1
    1
    1 1 1 1 1 0 1 1 0 0 1
    1
    1 1 1 0 1 0 1 1 1 1 0
    1 0 1 1 1 1 1 0 0 1
The size of the largest area with a checkers structure is 34
```

