

# LAB 5

## CS1109

11<sup>th</sup> July, 2013

### 1. Pyramid

Download **lab5.zip** from the location <http://www.cs1109.info/labs/lab5/lab5.zip>. Complete the script *startSquare.m* to print.

```
*
*  *
*  *  *
*  *  *  *
*  *  *  *  *
```

### 2. Fibonacci series with 'for'

Complete the function *fibonacci.m*. The function *fibonacci* has one input argument 'n'. Your code should display the Fibonacci series till the n<sup>th</sup> term, e.g. if *fibonacci(10)* then the output should be

```
0    1    1    2    3    5    8    13    21    34    55
```

### 3. Fibonacci series with 'while'

Now, use a **'while'** loop instead of **'for'** in the script *fibonacci.m*.