Problem

Prompt the user for a non-negative integer

    Enter a non-negative integer:

so that the integer *n* is entered by the user on the same line as the prompt. On the next line, print *n* *'s.
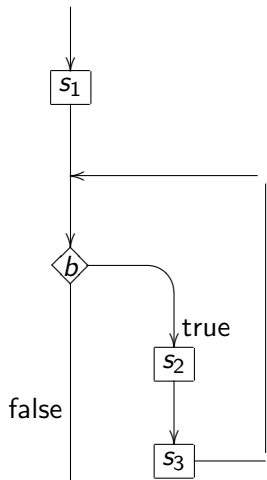
Loops
CSE 5910

`www.eecs.yorku.ca/course/5910`

For statement

```
for(s1; b; s3)
{
  s2
}
```

Syntax

```
for  (s1; b; s3)
{
    s2;
}
```

Code conventions:

- for should be followed by a space and
- the body should be indented.

Problem

Prompt the user for a non-negative integer

```
Enter a non-negative integer:
```

so that the integer n is entered by the user on the same line as the prompt. On the next line, print n *'s.

Problem

Prompt the user for a non-negative integer

```
Enter a non-negative integer:
```

so that the integer c is entered by the user on the same line as the prompt. Using the class franck.cse5910.Grid, create a grid with one row and c columns, every second make a cell of the grid red (going from left to right).

Exercise

Prompt the user for a non-negative integer

    Enter a non-negative integer:

so that the integer c is entered by the user on the same line as the prompt. Using the class franck.cse5910.Grid, create a grid with one row and c columns, every second color a cell of the grid, alternating red and black (going from left to right).

Problem

Prompt the user for a non-negative integer

```
Enter a non-negative integer:
```

so that the integer n is entered by the user on the same line as the prompt. On the next line, print 1, 2, ... $n-1$, n, separated by a single space.

Problem

Prompt the user for two positive integers

```
Enter the number of rows:
Enter the number of columns:
```

so that the integers r and c are entered by the user on the same line as the prompts. Print r lines each consisting of c *'s.

Problem

Prompt the user for two positive integers

```
Enter the number of rows:
Enter the number of columns:
```

so that the integers r and c are entered by the user on the same line as the prompts. Using the class franck.cse5910.Grid, create a grid with r rows and c columns, every second make a cell of the grid red (going from left to right, and from top to bottom.)

Block of blocks

Exercise

Prompt the user for two positive integers

```
Enter the number of rows:
Enter the number of columns:
```

so that the integers *r* and *c* are entered by the user on the same line as the prompts. Using the class franck.cse5910.Grid, create a grid with *r* rows and *c* columns, every second color a cell of the grid, alternating red and black (going from left to right, and from top to bottom.)

Problem

Prompt the user for a positive integer

    Enter the height of the tree:

so that the integer h is entered by the user on the same line as the
prompts. Print a tree of height $h + 1$. For example, if $h = 4$, print

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

Exercise

Prompt the user for a positive integer

    Enter the height of the tree:

so that the integer h is entered by the user on the same line as the prompts. Print a tree of height $h + 1$ using the class franck.cse5910.Grid.