# CSc 110 Lab Assignment 1 Part 2 Introduction to Programming

### Due:

• Assignment 1 Part 2: Prior to your scheduled lab class during the week of September 27-October 1, 2010

## Learning Outcomes:

When you have completed this assignment, you should understand:

- How to design, compile, run and check a simple and complete Java program on your own.
- The flow of data values (i.e. the effects of assignment statements).
- How to indent and document a Java program.
- How to analyze a problem to identify the input, output and intermediate values needed for computing.
- How to write and call a static method.

## Assignment 1 Part 2: Totem Pole:

This project involves creating a stylized totem pole. It consists of a human at the top, followed by cycles of the following two figures: fish and raven. The figures are stylized in our system as follows:

Raven:

Fish:

Human:

### 1. Writing Static Methods:

Write and test three static methods, one to output each of the figures that will be on the poles. The method signatures for those methods are as follows:

```
public static void raven()
public static void fish()
public static void human()
```

You can use the following main() method to test that your three static methods work correctly:

```
public static void main(String args[]) {
  raven();
  fish();
  human();
Sample output of this
```

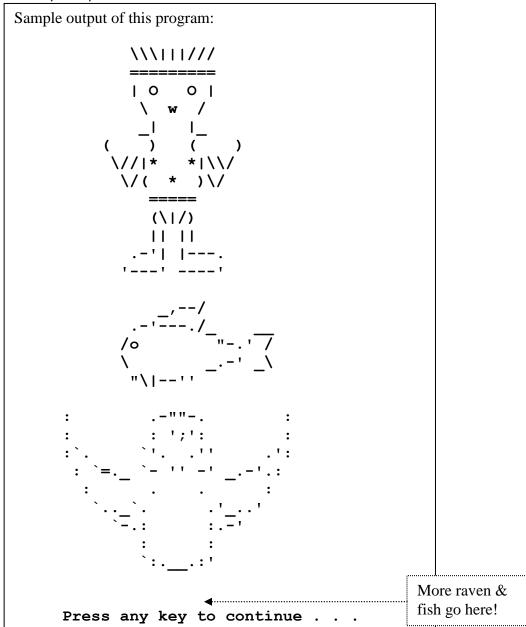
}

```
Sample output of this program:
           /0
            \\\|||///
            1001
             \ w /
          \//|* *|\\/
           \/( * )\/
              (\|/)
              11 11
             .-'| |---.
     Press any key to continue . . .
```

Documentation at the beginning of each method should include: The name and purpose of the method and input and output of the method.

## 2. Calling Static Methods

- Use a for loop in the main() method to create a totem pole that has exactly one human at the top, followed by 4 repetitions of fish and raven.



Documentation at the top of the program should include: The name and purpose of the entire program and the Author and the author's ID number.

**PART 2 HAND IN**: Submit your code for step 2 (above) using the 'Assignments' link of the course web page. Your code **must** be submitted before the beginning of your scheduled lab class in the week of September 27-October 1, 2010.