

CSC 3370 – Io Project

The purpose of this assignment is to give you experience building simple programs in Io.

Part 1 – Guessing Game

Write a program that gives you ten tries to guess a random number from 1–100. After each move, give a hint of “higher” or “lower” after the first guess.

Part 2 – XML Expansion

Enhance the XML program to handle attributes: if the first argument is a map (use the curly brackets syntax), add attributes to the XML program. For example:

`book({"author": "Tate"}...)` would print `<book author="Tate">`:

OR

Alternate Part 2 – XML Indentation

Enhance the XML program to add spaces to show the indentation structure. Instead of

```
<ul>
<li>
Io
</li>
<li>
Ruby
</li>
</ul>
```

Do

```
<ul>
  <li>
    Io
  </li>
  <li>
    Ruby
  </li>
</ul>
```

Grading Rubric

- Part 1 implemented completely and correctly (80 points)
- Part 2 implemented completely and correctly (20 points)

Submission

You must upload a copy of your work through the portal. If you have any issues or questions please let me know.