

A pineapple with a green crown of leaves and a brown, textured body is wearing a pair of bright yellow sunglasses. The sunglasses have dark lenses that reflect the surrounding environment. The pineapple is centered in the background of the slide.

---

## Chapter 6: Object Oriented Programming

---

Erudition Labs

Computer Science 101: Introduction to Java and  
Algorithms

May 26, 2019

# Contents

<b>1</b>	<b>John Conway's Game of Life</b>	<b>1</b>
1.1	Cellular Automata . . . . .	1
1.2	The Rules . . . . .	1
<b>2</b>	<b>Our Project</b>	<b>1</b>
2.1	Modeling . . . . .	2
2.1.1	2D infinite Grid and Cell States . . . . .	2
2.1.2	Rules . . . . .	2
2.1.3	Visualization . . . . .	2
2.1.4	UML Class Diagram . . . . .	3
2.1.5	Methods Overview . . . . .	3