Course Title: Introduction to Object Oriented Programming with Alice

Course Description:
Explore fundamentals of object-oriented programming, like Java, C++, and C#, using interactive animated interface.

Course Prerequisite(s):
None

Course Objectives:
Demonstrate relationship between object-oriented programming statements and animated behavior of objects.

Textbook(s):
Learning to Program with Alice

Next Class Possibilities:
Beginning Programming, Java Core or Microsoft .NET Certification classes

Lesson Plan – by week or session
Session 1: Introduction to Alice
  Getting Started with Alice
  Program Design and Implementation
  Programming: Putting Together the Pieces
Session 2: Object-oriented and Event-driven Programming Concepts
  Classes, Objects, Methods and Parameters
  Interaction: Events and Event Handling
Session 3: Using Functions and Control Statements
  Functions and If/Else
  Repetition: Definite and Conditional Loops
  Repetition: Recursion
Session 4: Advanced Topics
  Lists and List Processing
  Variables and Revisiting Inheritance
Session 5: What’s Next and Instructor’s Discretion