COP1000 – Agenda for 2-Day Workshop

# Tuesday, March 12, 2019

|  |  |
| --- | --- |
| 8:00 am to 3:30 pm  Homework: | Objectives: Introduction to Alice 3.0, Storyboards, Pseudo Code, Algorithms **My First Alice Program**: Finding Nemo  Debriefing: Classes, Objects, Methods, Attributes,  Top-Down Design, Decomposition  Objectives: Flowcharts, Variables, Parameters, Random Number Generation **My Second Alice Program**: Curupira’s Soccer Ball Kick Debriefing: Procedural Decomposition, how random numbers were used, and how parameters were passed  Objectives: User Input, Functions vs Procedures, ***Ifs***, Math Expressions **My Third Alice Program**: Bunny Arithmetic Debriefing: How to get user’s input, how to interact with user by giving feedback, how to validate user’s input.   **Finish Alice Programs started in Class** |

# Wednesday, March 13, 2019

|  |  |  |  |
| --- | --- | --- | --- |
| 8:00am to 3:30 pm  Homework:  : | Objectives: Loops – For Counter Loops vs While Loops, Billboards, Camera  **Modify My Fourth Alice Program**: Ask user how many times they wish to practice their addition facts. Then, use that quantity in a For Counter loop, to repeat the addition drills  Objectives: While Loops, Random Numbers, Billboards **My Fifth Alice Program:** Turtle Walking to Random Object, While Loop Debriefing: How to detect collision using while-loop, using a random number to determine action; using billboards to tell a story.  Objectives: Arrays and the benefits of using them with loops **My Sixth Alice Program:** Dancing Chorus Line (any object) Debriefing: Using for-each and for-all together loops for processing every element in an array,  **Finish Alice Programs started in Class** | |  |
|  |
| Alice 3 in Action - 2nd edition ISBN13: 978-1133589228 by [Joel Adams](https://urldefense.proofpoint.com/v2/url?u=http-3A__www.textbooks.com_Author_Joel-5FAdams.php-3FCSID-3DAUBUBSTD2A2MD2MT2TD2OQSCB&d=DwMFaQ&c=lhMMI368wojMYNABHh1gQQ&r=cKRh4m60sM5SnOPbSUwrwg&m=aCYOJxPDhYuhtTwFmze8kiAdGY-h6DKbKRH8oGqxHfk&s=YBRHu6OtJrvZfk1zeaQUU9BKnm3K3mN8V-XQq8w8G0g&e=) | |  |



Service Direct Customer Support  
Email: [order.samples@cengagelearning.com](mailto:order.samples@cengagelearning.com)  
Phone: 1-800-423-0563