

AP[®] Computer Science: Module 5 Checklist

05.00 Introduction

- ☐ I created the three module 5 subfolders: Documents, Lessons, and Assignments.
- ☐ My list of activities that involve loops is complete.

05.01 **while** Loops (Part 1)

- ☐ I can write **while** loops that terminate with counters.
- ☐ I know how to use the **random()** method of the **Math** class.

05.02 **while** Loops (Part 2)

- ☐ I can write **while** loops that terminate with user input.
- ☐ I understand the use of negation in **while** statement conditions.

05.03 Reading Text Files

- ☐ I know how to read information in from a text file.

05.04 **for** Loops

- ☐ I can write **for** loops.
- ☐ I understand the concept of pseudorandom numbers.

05.05 Nested Loops

- ☐ I can write simple nested loops.
- ☐ I know how to use the **Random** class to generate and select random numbers.

05.06 Writing Text Files

- ☐ I can write information to a text file.
- ☐ I can analyze a simple program using a desk check.
- ☐ I can write compound **boolean** statements.
- ☐ I can design and write a program to repetitively simulate random events, as well as read and write text files.

05.07 Challenge Program

- ☐ I can design and write a program that displays a menu, accepts user input, applies compound **boolean** logic, uses nested loops, selects random numbers, and prints results in a user-friendly format.
- ☐ I recognize that I can take steps to secure the privacy of my online information.

05.08 Checkpoint Epsilon

- ☐ I printed the Module 5 Self-Evaluation Checklist.

05.09 Discussion

- ☐ I watched the videos about Computer Science and participated in the online Discussion.