Week 1: 5 June 2023

**Pre-course Preparation**

* Go through the slides and read the speaker notes to know what to present
* Go through the notes, worksheet and answer key to be familiar with the content
* Download the slides, notes, worksheets, answer key and python scripts on your laptop (there is no internet in the classroom that we will be using)

### Icebreakers:

| **Time** | **Activity** | **Todo** |
| --- | --- | --- |
| **1510-1525 pm**  **(15 min)** | Common Three | * Mentors introduce themselves to students * Get students to introduce themselves * **Logistics**: Nothing! * **Set-Up**: Divide the teens into three teams. * **How to Play**: Each team has 5 minutes to discuss their interests and find three things they have in common. * Then, one player from each team will announce their commonalities to the larger group so everyone can get to know each other |
| **1525-1540 pm**  **(15 min)** | Bag of Stories | * **Logistics**: A large bag and random everyday items (such as a book, phone, pencil, photograph, chapstick, keyring, snack, etc.). Be sure there are at least as many objects as there are people. * **Setting-Up**: Place all the objects into the large bag. Then, circle up the group and choose one teen to be the leader. * **How to Play**: To start the game, pass the bag around the group and have each person reach in to grab one of the objects without looking. Then, the leader begins a story based on their holding object. * After a few sentences of narration, the next participant continues the report based on their item. Continue around the circle until everyone has contributed to crafting an intriguing tale based on objects from the bag. |

### Lesson Plan:

| **Time** | **Activity** | **Todo** |
| --- | --- | --- |
| **1500-1510 pm**  **(10 min)** | Welcome | * Set up the slides for lesson 1 * Welcome the students to the course, explain what they can expect from Codecamp * Brief on curriculum and learning objectives |
| **1510-1540 pm**  **(30 min)** | [Intro + Icebreaker](#_o7m7rfgj936k) | * Mentors introduce themselves to students * Get students to introduce themselves |
| **1540-1550 pm**  **(10 min)** | What is Coding | * Explain what coding is about * Why it is a useful skill * What they can create with code |
| **1550-1600 pm**  **(10 min)** | Variable Types & Operators | * Introduce different types of variables * Introduce operators * Hands-on practice for students (variable assignment and simple calculations) |
| **1600-1610 pm**  **(10 min)** | Lists | * Introduce lists * Explain why lists are useful for storing variables * Basic indexing and assignment by index |
| **1610-1620 pm**  **(10 min)** | While Loops | * Introduce while loops * Why do we use loops * What are conditions in loops * Concept of infinite loop and how to break loop |
| **1620-1630 pm**  **(10 min)** | For Loops | * Introduce for loops * Differences between for and while loops * Introduce range and len(list) |

### **Appendix A: Cheatsheet for Python Basics**



