SESSION PLAN

Session Name	Getting Started with Python

Learning Outcomes

- Understand Python's data structures and be able to apply them.
- Know how variables work is able to manipulate them.
- Learn the use of different operators in Python.

Prerequisites for the Students
- Getting Started with Python - Go through the concept and solve the tasks and assessments.

Student Activities

- Discuss with the Mentor what you have learned.
- What do you know about the python language?
- Overview of Getting Started with Python
  - Variables in Python
  - Data Structures in Python
  - Membership and Identity operators
- Practice problems on variables, Data Structures and Membership and Identity Operators
  - Refer the GitHub repo for problems
- Quiz on getting started with python.
- Code Along
- Questions and Discussion on doubts - AMA

Next Session

- Concept - Handling Problem Flow with Python
- Key topics to be highlighted - highlight where they would need to spend more time and importance w.r.t Data Science.
  - Conditional Statements
  - Exception handling
  - The file I/O
  - Classes in Python
- Understanding the object-oriented programming paradigm would be a little bit challenging for non-programmers. Alert them to not get overwhelmed.