COMP-352 Tutorial #1

INTRO

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Familiar with: **C/C++, JAVA, Python, PHP, JS, and MATLAB**

What are some topics in **Data Structures & Algorithms?**

COEN-352 Overview

Data Structures:

- **DS**s are means of storing data in a pattern-like format favourable in an application.

- These often dictate which algorithms to use and are based on the data we have.

- **Examples:** Arrays, Linked Lists, Stacks, Queues, Trees, Graphs…

Algorithms:

- **ALGO**s are methods developed for executing some actions on data.

- Algorithms usually depend on the DS and the type of data given.

- **Examples:** Sorting, Searching, Inserting, deletion…

JAVA Development Environment Setup

GitHub Repo: https://github.com/TheBarzani/COMP352_S2023

Steps:

1. Download and Install Java compiler
2. Add Java to the PATH
3. Set up an IDE as part of JDK
4. Create your first project and enjoy

DEMO:

- How to use the Assignment's DebugRunner in this class?
- Some notes on how to format the code for the Assignments.

THANK YOU