

COMP-352

Tutorial #1

INTRO



Ismael Ridha

Aerospace Engineering Student

Email: ismaelmergasori@gmail.com

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

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

COEN-352 Overview

Data Structures:

- **DSs** 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:

- **ALGOs** 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
