



# PROGRAMMING FOR MECHANICAL AND INDUSTRIAL ENGINEERS MIAE-215 Section T TB

WELCOME TO THE FIRST TUTORIAL 😊

# INTRODUCING

- My name is Ismael Ridha (Barzani)
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- Your turn... + What do you think Programming is?

# Programming is the language of Logic

- **Formal Definition:** Programming is the process of performing a computation, usually by designing and building an executable computer program by executing a set of instructions. (Wikipedia, 2022)
- **Informal Definition:** Writing a piece of code/program is like writing a story (Stuart Thiel, 2021). At first, a setting is established and then from there you try to extend on it and improve the plot. At the end there is a specific purpose behind it and it serves what you intended it to do (if there are no errors) ;)

# MIAE-215 WhatsApp Group

Invitation link: <https://chat.whatsapp.com/HKCnzzsenV1FUrYWmntlCk>



# TODAY'S TUTORIAL TASKS

- Overviewing Programming languages and C++ characteristics.
- Downloading and Installing C++ toolkit.
- Setting up the environment for C++ programming.
- Getting familiar with the idea of an IDE (Integrated Development Environment)
- Extra: Getting familiar with basic C++ programming syntax.

# Resources And GitHub Repo

- My MIAE-215 GitHub Repository:  
[https://github.com/TheBarzani/MIAE215\\_Fall2022](https://github.com/TheBarzani/MIAE215_Fall2022)
- Recommend Web Tutorial Website: <https://www.w3schools.com/cpp>
- Recommend Udemy Course: <https://concordia.udemy.com/course/cpp-deep-dive/>