



# Command the Chaos!

## Target:

#### Learn about:

- · Understanding Structures and the purpose of it.
- Declaration and initializing the structure.
- pointers and Arrays in structure.
- · Passing structure to a function.
- Size of Structure.
- Memory padding, aligned memory and unaligned memory (Comparison).
- the difference between the Structures and Object theoretical not code.

### **Resources:**

- 1. <u>C Crash course</u> [English Recommended]
- 2. Neso Academy in C Programming [Structures start with video no.149]
- 3. CS50 2018 [English]
- 4. Arabic C Programming tutorials
- 5. W3shools in C
- 6. FWD recap on C Structures section
- 7. <u>Deitel C How To Program 6th Edition</u> [Recommended]

### What To Do:

- After watching above videos, Make your summary either hardcopy or softcopy as you prefer.
- Here are the problems you need to solve, <u>Problems</u>.

## How to submit your task:

- Create a repository on GitHub named IEEE-ZSB RAS-Embeddded 2025 to upload your task inside it.
- Watch video-1 or video-2 to know how to do this.
- Create a folder named Task6 contains your solutioon, and code to each problem...

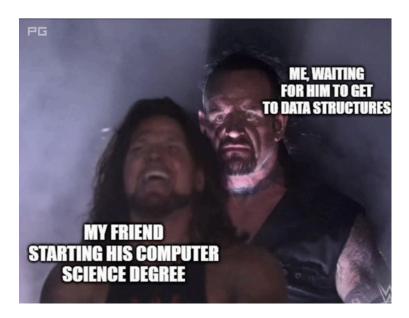
# **Evaluation:**

- Summarization (5 points)
- Problems (15 points)
- Bonus (2 points)

## Deadline:

3 Days # Thu 1 May at 23:59

That concludes our 6th task. If you have any questions, feel free to ask. Happy coding! ♥



"When you already know how to use struct, but your friend still thinks int x is enough for everything."