Kickstart!

Welcome to Embedded Systems!

Target:

Learn about:

- Declaring and Initializing Variables in C.
- Performing Arithmetic Operations with Numeric Variables in C.
- Using Conditional Statements in C.
- Iterating with Loops in C.
- Using Constants in C.

Resources:

1. **C Crash course**   [English – Recommended]
2. **Neso Academy in C Programming**
3. **CS50 2018**   [English]
4. **Arabic C Programming tutorials** [First 14 videos]
5. **W3shools in C**
6. **Deitel C How To Program 6th Edition**

What To Do:

- After watching above videos, Make your summary either hardcopy or softcopy as you prefer.
- Solve your first task from here, **Problems**. (only 8 problems😊)

How to submit your task:

- Create a repository on GitHub named **IEEE-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 **Task1** contains your summarization, and code to each problem.
- Summarization file should be named by your names (Ex : Tasnem_Sabry.pdf).
- Include your submission link on Codeforces (if the problem is on it) as a comment in your code.

Bonus: Make sure to include proper **Error Handling** in your code to handle unexpected inputs and failures gracefully.

Evaluation:

- **Summarization (5 points)**
- **Problems (15 points)**

  Problems 1, 2: 1 point
  Problems 3, 4: 1.5 points
  Problems 5, 6: 2 points
  Problems 7, 8: 3 points

Deadline:

4 Days   **#Monday 24 March at 23:59**

That concludes our First task. If you have any questions, feel free to ask. Happy coding! ❤️