**Assignment: Computational Thinking in Problem-Solving**

**Instructions:To be done in groups of 10**   
Choose a real-world problem and analyze how it can be solved computationally. Your response should include:

1. **Problem Identification** – Clearly define the problem you have chosen.
2. **Computational Solution** – Explain how the problem can be solved using computational methods.
3. **Computational Thinking Activity** – Identify which computational thinking approach(es) you will used in solving the problem. These may include:
   * **Decomposition** (Breaking the problem into smaller parts)
   * **Pattern Recognition** (Identifying trends or similarities)
   * **Abstraction** (Focusing on essential details while ignoring irrelevant ones)
   * **Algorithm Design** (Developing step-by-step instructions for solving the problem)
4. **Explanation and Justification** – Describe how the chosen computational thinking approach helped in solving the problem effectively.

**Submission Requirements:**

* Write a 1-2 page report explaining your solution.
* Clearly label the computational thinking techniques used.
* Provide real-world examples where applicable.

**Deadline:** 6/2/2025