Project: **Simon Says Game with LEDs and Buttons on TM4C123GH6PM**

**Project Overview:**

A memory-based game where the TM4C123GH6PM MCU generates a random sequence of LED flashes (Red, Green). The player must then repeat the sequence using buttons (SW1 and SW2).

**Features:**

* Flashing sequence of LEDs (Red, Green).
* Player input through buttons.
* Feedback for correct and incorrect sequences.

**Components:**

1. **TM4C123GH6PM Tiva C Board**.
2. **Onboard LEDs**:
   * PF1: Red LED.
   * PF2: Blue LED.
   * PF3: Green LED.
3. **Onboard Buttons**:
   * SW1 (Pin PF4).
   * SW2 (Pin PF0).

**Summary of Functions:**

1. **PortF\_Init**: Initialize GPIO for buttons and LEDs.