Components Required:

- **ATtiny85**
- **TMP36 Temperature Sensor**
- **LEDs** (White, Red, Green, Blue, etc.)
- **220Ω Resistors** (for each LED)
- **3V Coin Cell Battery**
- **DPST Switch**
- **Breadboard & Jumper Wires**
- **Tinkercad Simulation Platform**

🧠 **About TMP36:**

- TMP36 outputs analog voltage proportional to temperature.
- Output voltage is approximately:
  Vout (in volts) = 0.5 + (Temperature in °C × 0.01)

⚙️ **Connections:**

🟦 **TMP36:**

- **Pin 1 (GND)** → ATtiny85 GND (e.g., PB3 or PB0)
- **Pin 2 (Vout)** → **PB4** of ATtiny85 (Analog Input)
- **Pin 3 (Vcc)** → +3V from Coin Cell Battery (via switch)

🔴 **LEDs:**

- LEDs connected to **PB0, PB1, PB2** of ATtiny85
- **Cathode of each LED** → through **220Ω resistor** → **GND**

🔌 **Power Setup:**

- **Coin Cell Battery (+)** → DPST Switch → **Vcc of ATtiny85**
- **Coin Cell Battery (–)** → **GND of ATtiny85**