Circuit Connections:

Power Connections:

- Connect the **VCC** pin of the ATtiny85 to the **positive terminal** of the power source.
- Connect the **GND** pin of the ATtiny85 to the **negative terminal** of the power source.

TMP36 Sensor Connections:

- Connect the **VCC** pin of the TMP36 to the **positive terminal** of the power source.
- Connect the **GND** pin of the TMP36 to the **negative terminal** of the power source.
- Connect the **Vout** pin of the TMP36 to **PB2 (Pin 7)** of the ATtiny85.

LED Indicator (Optional):

- Connect the **anode** of the LED to **PB0 (Pin 5)** of the ATtiny85.
- Connect a **220Ω resistor** between the **cathode** of the LED and **GND**.

Working Principle:

- The **TMP36 sensor** outputs an analog voltage that varies with temperature.
- The **ATtiny85 reads the voltage from the TMP36 sensor** on PB2 and converts it into temperature.

- Based on the measured temperature, the **ATtiny85 can trigger an LED** to indicate high or low temperatures.