

Program no : 6

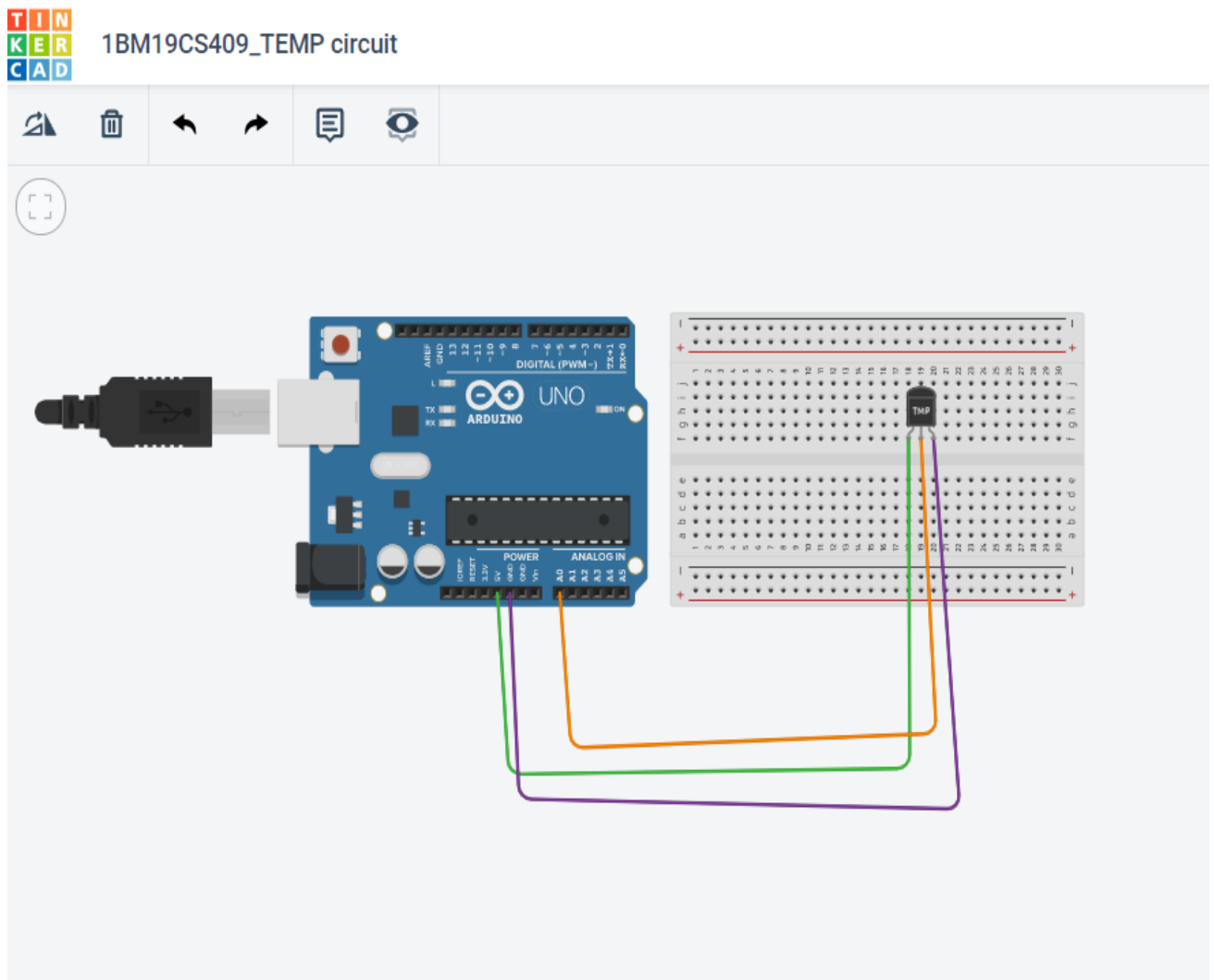
Program Title : Temperature sensor

Aim : To check the temperature in Celsius and fahrenheit.

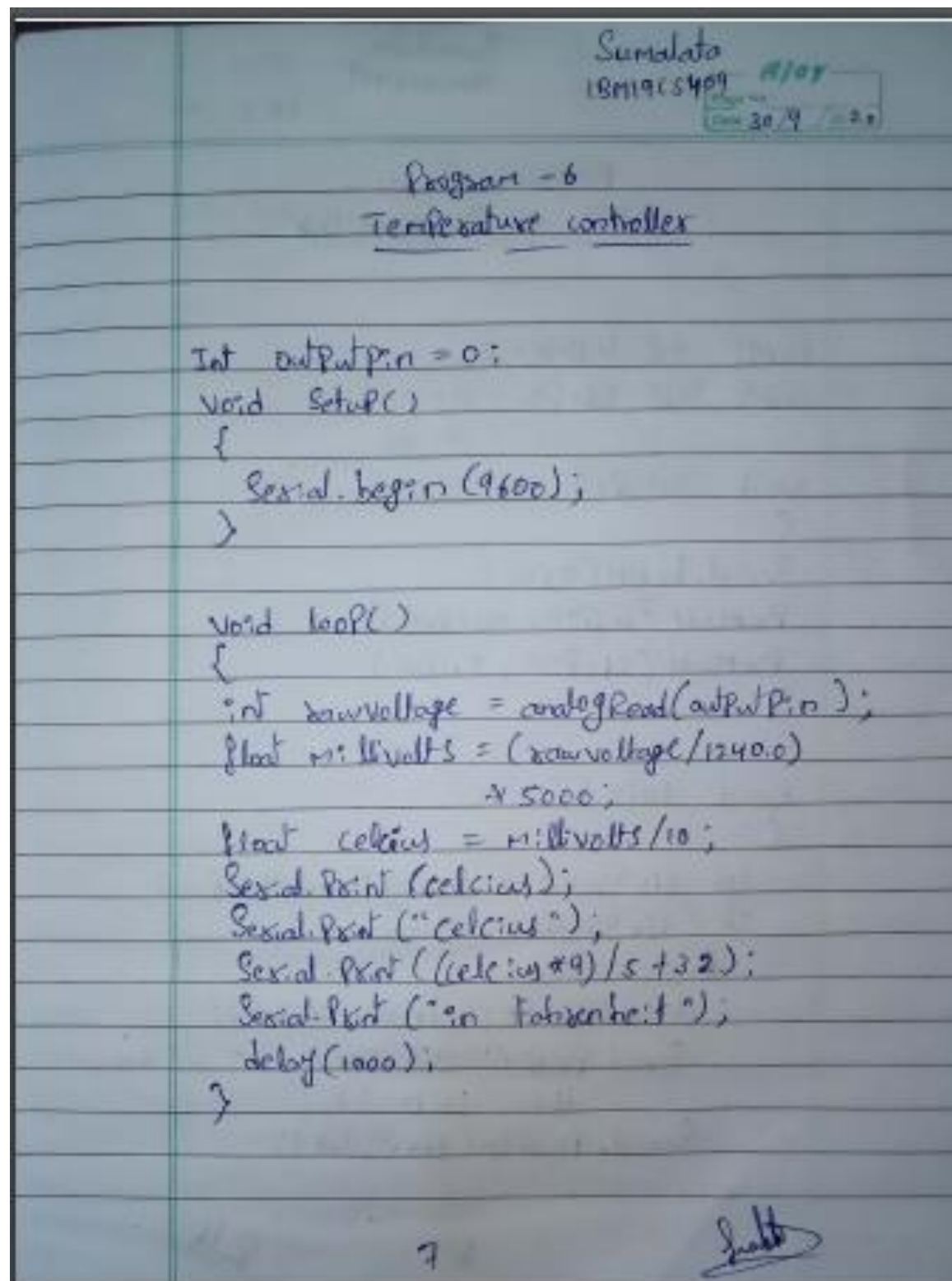
Hardware Required

- Arduino Board
- Breadboard
- Wires
- Temperature Sensor

Circuit Diagram :



Code:



The screenshot displays the TinkerCAD web interface. At the top left is the 'TINKERCAD' logo. The title bar reads '1BM19CS409_TEMP circuit'. The top toolbar contains icons for undo, redo, delete, and a help icon, along with a 'Simulator time: 00:00:54' display. On the left, a circular inset shows a zoomed-in view of the workspace. The main workspace features an Arduino Uno R3 board connected to a breadboard. The breadboard contains a TMP36 precision centigrade temperature sensor. Wires connect the sensor's pins to the Arduino's power and ground pins. Specifically, the sensor's VCC pin is connected to the 5V pin on the Arduino, and its GND pin is connected to a GND pin on the Arduino. The sensor's output pin is connected to the A0 pin on the Arduino's analog input section.



1BM19CS409_TEMP circuit



Simulator time: 00:00:54

