

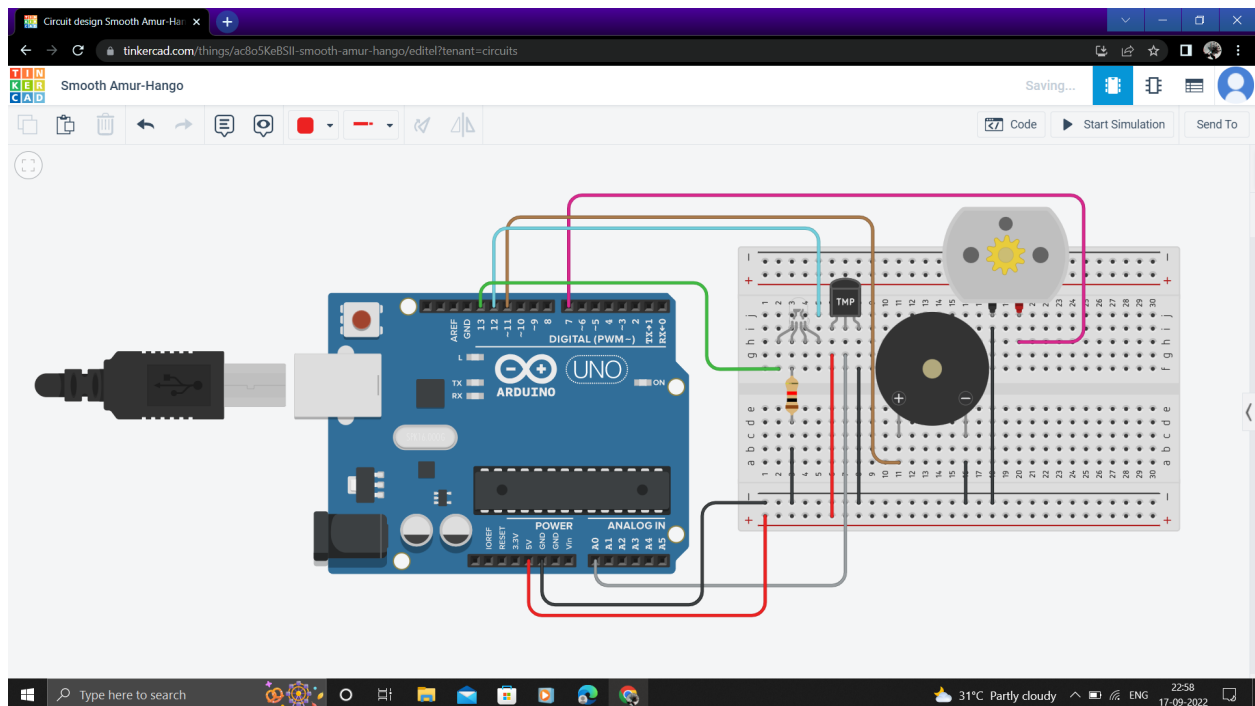
TINKER CAD ASSIGNMENT IBM TASK

By
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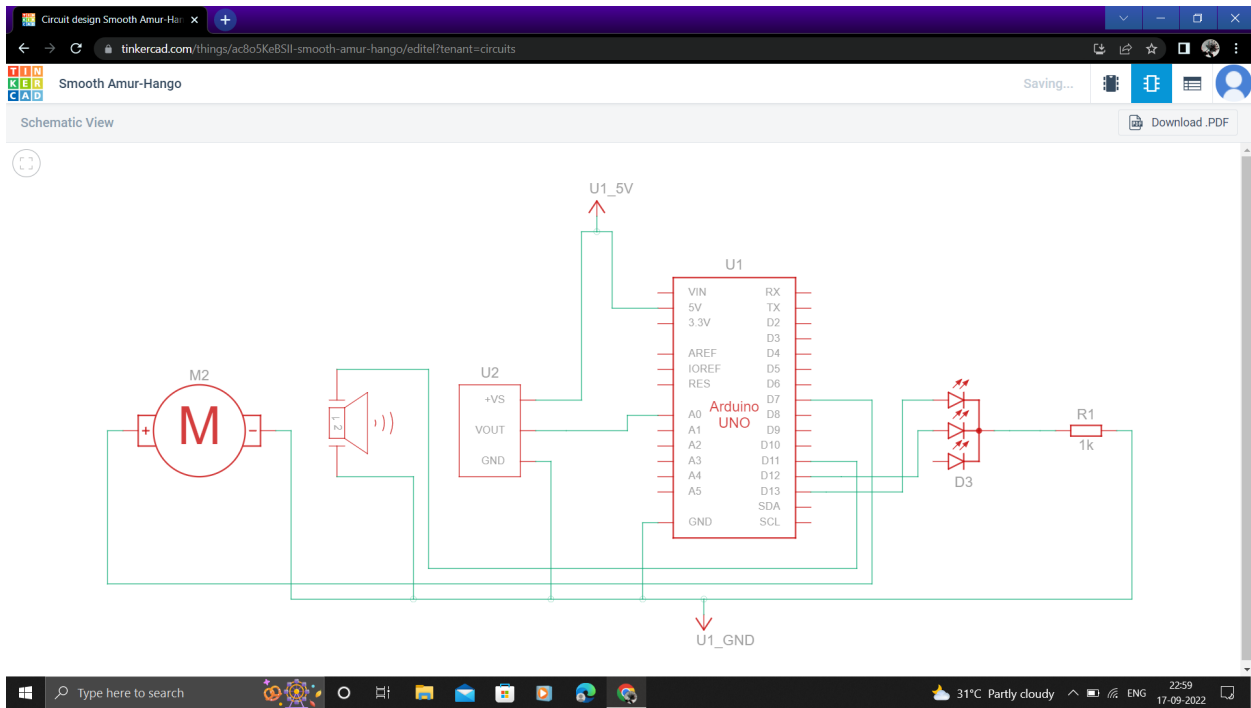
AIM:

The aim of the project is to measure the room temperature and give an alert message to the user.

CIRCUIT DIAGRAM:



SCHEMATIC DIAGRAM:



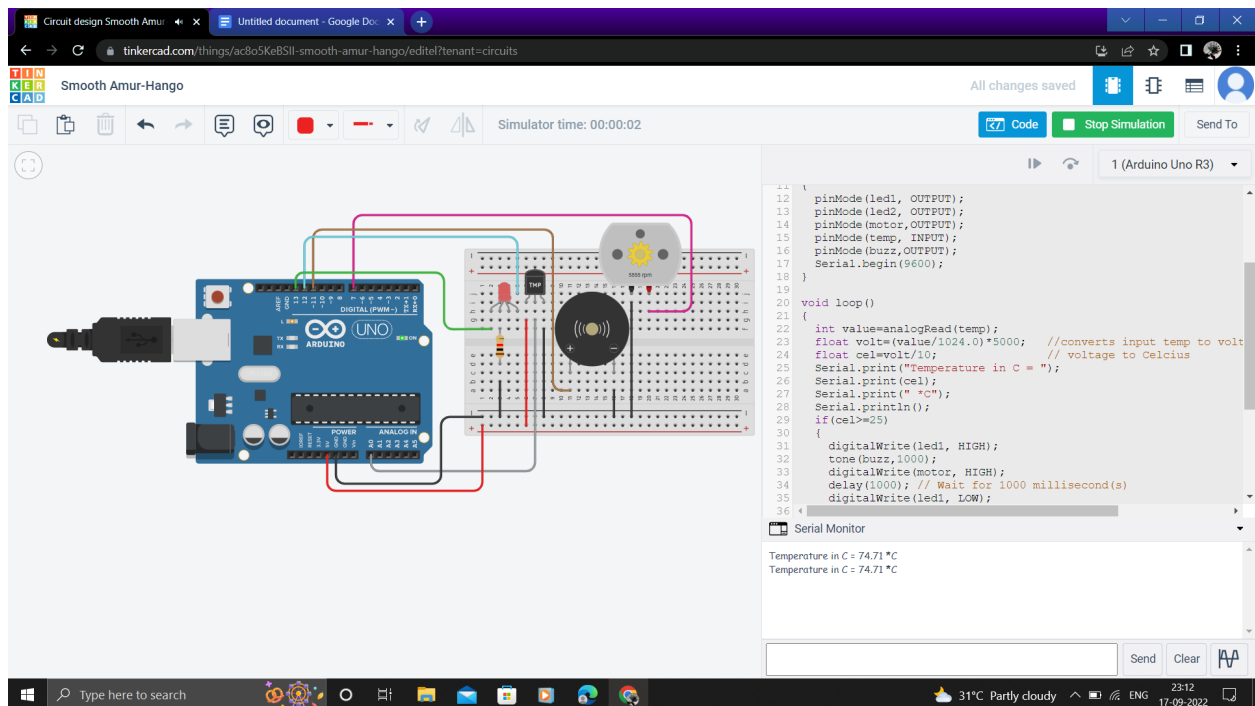
COMPONENTS LIST:

Name	Quantity	Component
U1	1	Arduino Uno R3
PIEZ01	1	Piezo
R1	1	1 kΩ Resistor
U2	1	Temperature Sensor [TMP36]
D3	1	LED RGB
M2	1	DC Motor

SIMULATION:

CASE 1:

When the temperature is not normal(above 25°C), the RED LED is ON and the motor is ON to make the user feel comfortable.



CASE 2:

When the temperature is normal (below 25°C), the GREEN LED is ON and the motor is OFF.

