

IBM Naalaiya Thiran

Gas Leakage System Tinkercad

TEAM MEMBERS

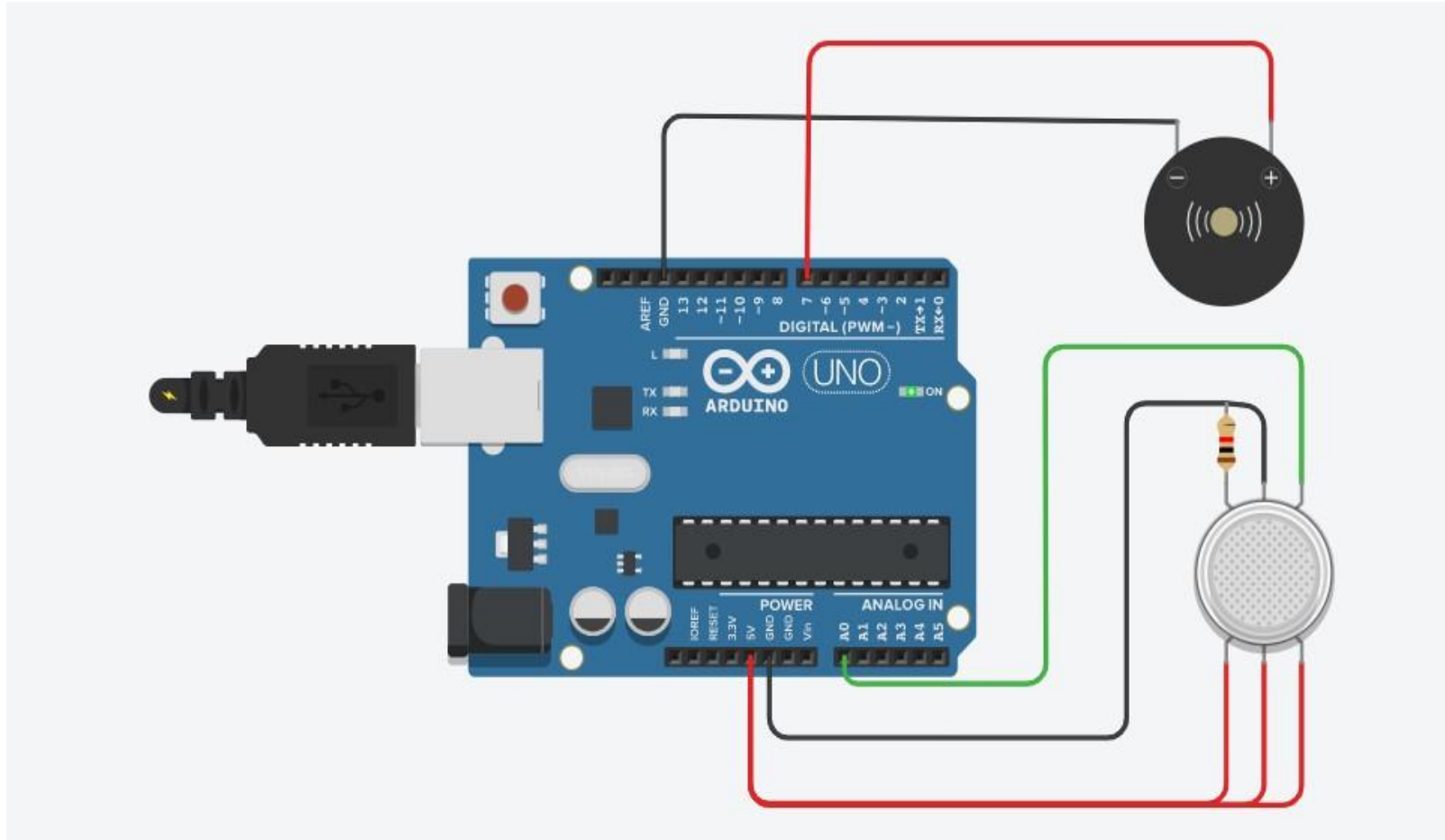
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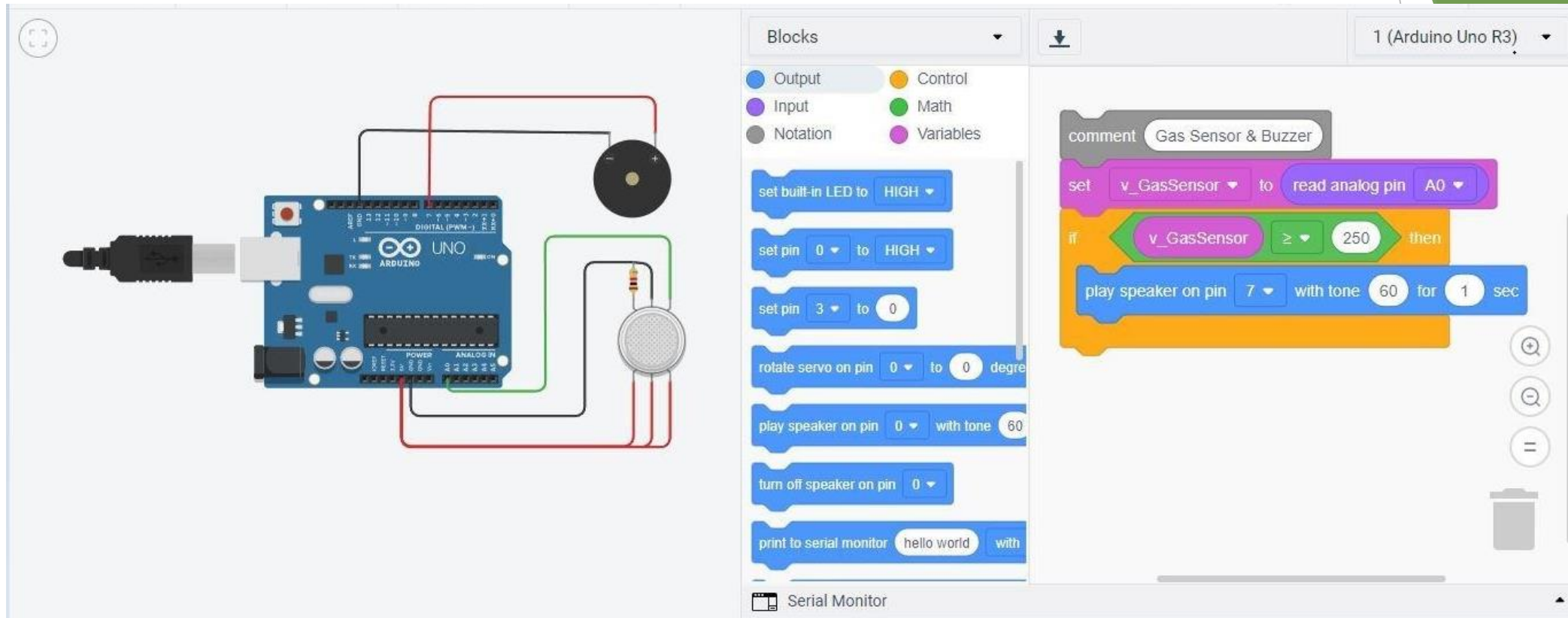
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Tinkercad Circuit



Code



The image displays the Arduino IDE interface with a circuit diagram on the left and a block-based code program on the right.

Circuit Diagram: An Arduino Uno R3 is connected to a gas sensor module (A0) and a buzzer. The gas sensor's VCC is connected to the 5V pin, GND to GND, and A0 to A0. The buzzer's VCC is connected to the 5V pin, GND to GND, and the signal pin to digital pin 7.

Code (Block-based):

- comment Gas Sensor & Buzzer
- set v_GasSensor to read analog pin A0
- if v_GasSensor ≥ 250 then
 - play speaker on pin 7 with tone 60 for 1 sec

The code is written in a block-based format, likely using a visual programming language like Scratch or Blockly. The code is titled "Gas Sensor & Buzzer". It sets a variable `v_GasSensor` to the value read from analog pin A0. Then, it checks if `v_GasSensor` is greater than or equal to 250. If true, it plays a speaker on pin 7 with a tone of 60 for 1 second.

TINKERCAD LINK:

- ▶ https://www.tinkercad.com/things/dpu9kEBLBCZ-ingenious-amberis-lahdi/editel?sharecode=guv1hL_5Osii3hncf2PDRGJhDAH4FBgf6as-BfZWbpl