PRACTICAL: - 1.A

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AIM: Blinking LED

Components Required:

1. **Arduino Uno R3**
2. **LED**
3. **Resistor** (220kΩ)

Connections:

- Connect the cathode (-) of the LED to one end of the 220kΩ resistor.
- Connect the other end of the resistor to **Arduino digital pin 13**.
- Connect the anode (+) of the LED to the **GND (Ground) pin** of the Arduino.

Code:

```
void setup() {

   pinMode(13, OUTPUT);

}

void loop() {

   digitalWrite(13, HIGH);

   delay(1000);

   digitalWrite(13, LOW);

   delay(1000);

}
```

Explanation:

- The **setup()** function configures pin 13 as an output.
- The **loop()** function continuously turns the LED on and off with a delay of 1 second.

Output:

- The LED will blink with a 1-second interval.

Diagram: