

Name: Shabbir Ezzy

Roll No:10

Batch: S1

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### Practical No:5

AIM: Write a program using Arduino to control LED(One or more ON/OFF), Or Blinking.

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CODE:

```
void setup()
{
    Serial.begin(9600),
    pinMode(2,OUTPUT);
}

Void loop()
{
    Serial.println("HIGH");

    digitalWrite(2,1),

    delay(1000);

    Serial print("LOW");

    digitalWrite(2,0);

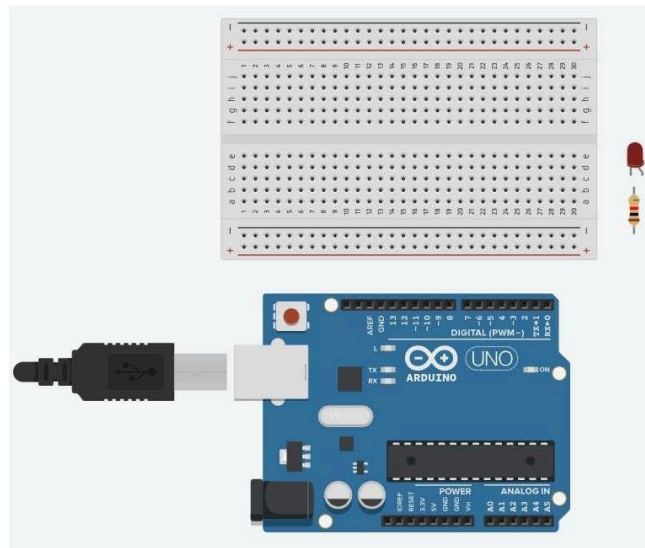
    delay(1000);
}
```

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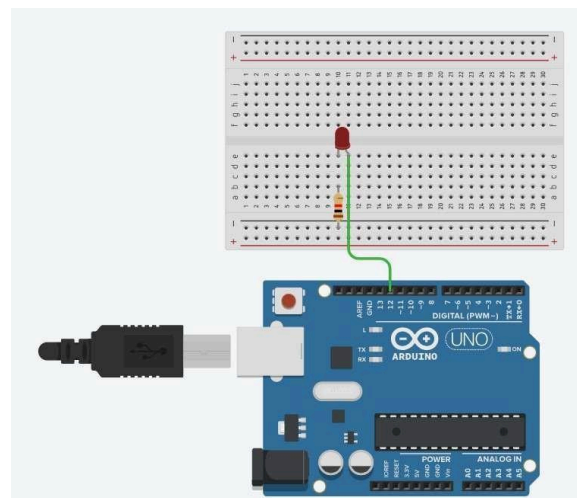
Output:

Connections: Here we have take one LED and conducted the cathode of it to the GND of the Arduino hoard and anode to the resistor and connected to the terminal of the resistor to the 2 pin of the Arduino uno bound

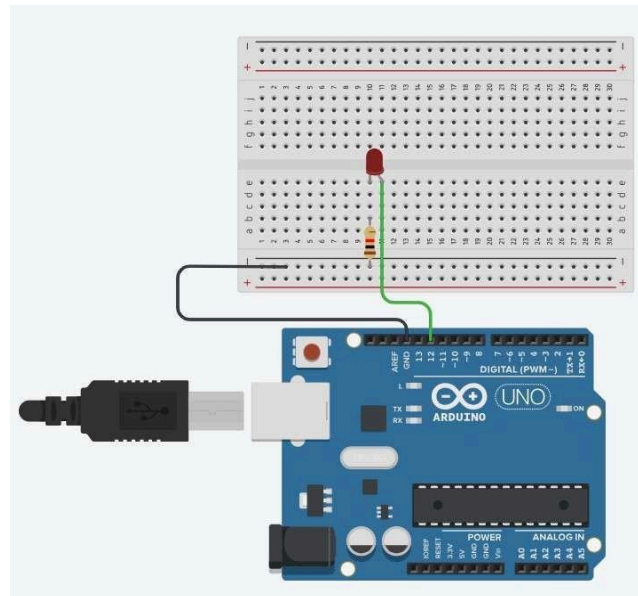
STEP 1: Select the Arduino board. Breadboard ,resistor, LED and connecting wires.



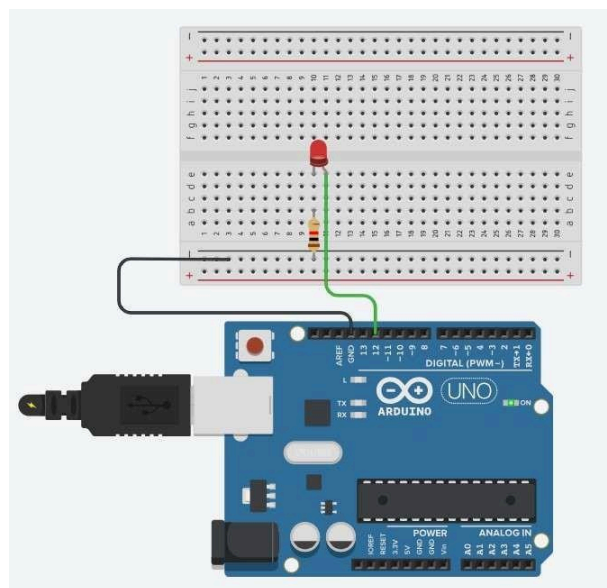
Step 2: In this step place the LED on the bread board and connect the anode of the LED to the resistor and then the resistor terminal to the pin 2 of the Arduino UNO board



Step 3: Connect the cathode of the LED to the GND of the Arduino board.



Step 4: After simulation the LED is on i.e HIGH and manually after 1 second its off i.e LOW



Step 5: The LED is off

