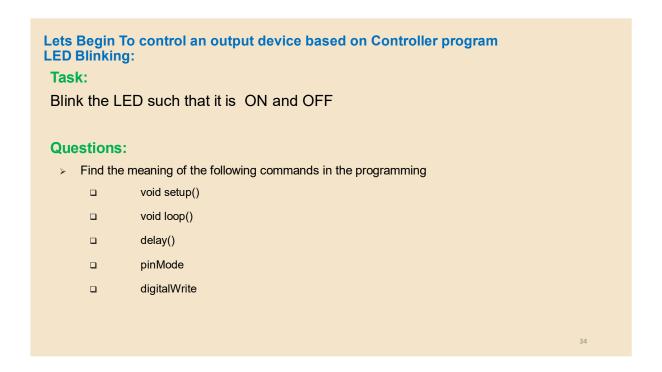
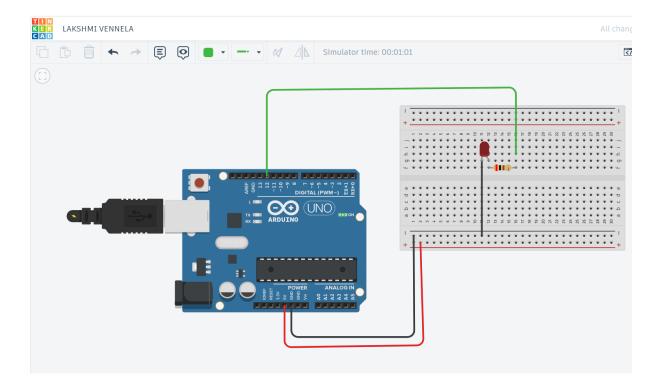
EXERCISE!

BLINK AN LED Switch on and off for 1000 milli sec





Hands-on Activity: Blink an LED

- **Components:** Arduino Uno, LED, 220Ω Resistor
- Circuit Diagram:

```
• Code:
```

```
void setup()
{
     pinMode(12, OUTPUT);
}
void loop()
{
     digitalWrite(12, HIGH); // Turn LED on
     delay(1000); // Wait 1 second
     digitalWrite(12, LOW); // Turn LED off
     delay(1000); // Wait 1 second
```



}

YOU HAVE SUCESSFULLY CONTROLLED LED BASED ON TIME .

NOW TIME TO PONDER WHAT HAPPENED

WHAT IF I DON'T CONNECT RESISTOR

WHAT IF I INCREASE RESISTANCE

WHY RESISTOR IS NEEDED

WHAT IS DELAY IN CODE

WHAT IS HIGH, LOW

WHAT IS DIGITAL WRITE

DID I READ DATA WHERE IS SENSOR?????

OH CONTROLLED ONLY ACTUATOR (LED) based on TIME