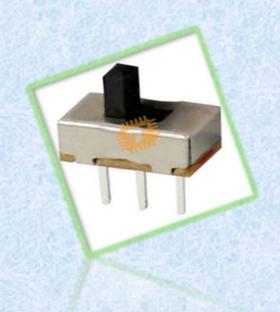
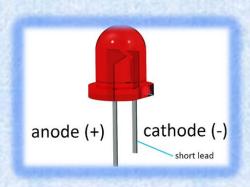


Empower Your Interaction with Button Press Detection

LIST OF COMPONENTS:

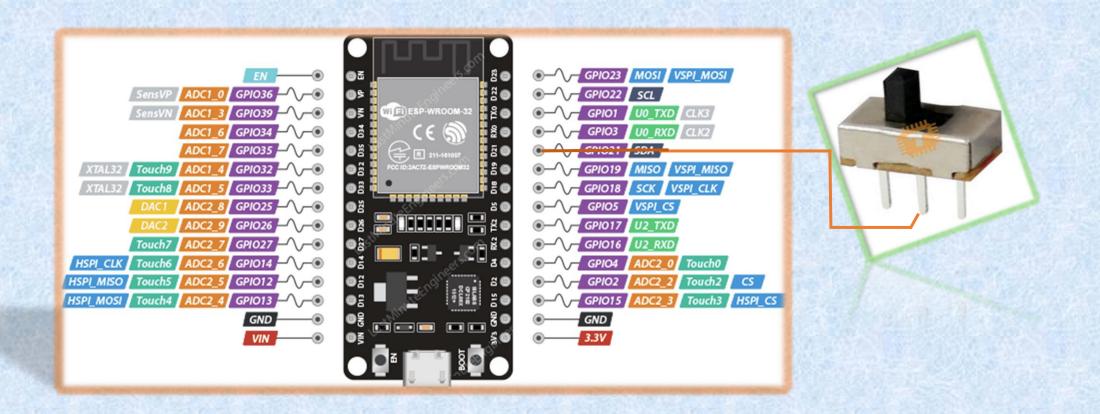
- 1. ESP32 MICROCONTROLLER
- 2. LED
- 3. JUMPER WIRES
- 4. BREAD BOARD
- 5. SWITCH





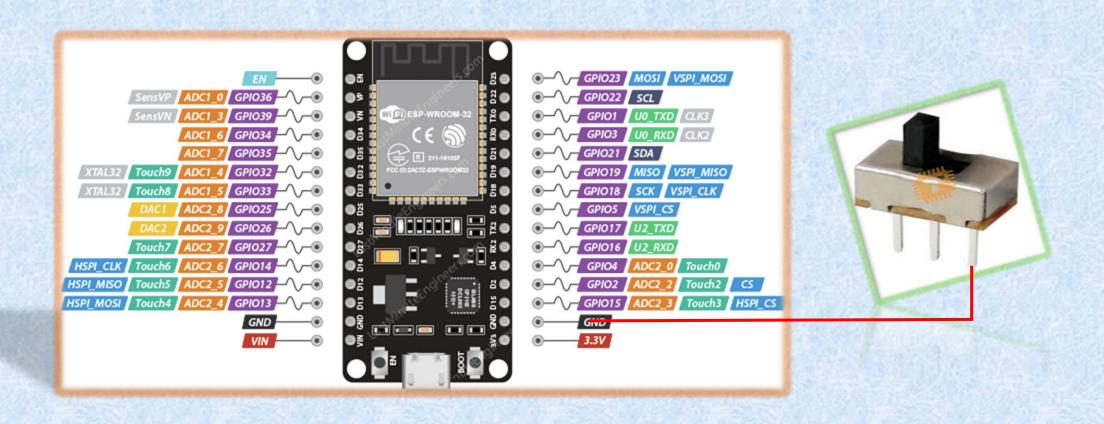


CIRCUIT DIAGRAM

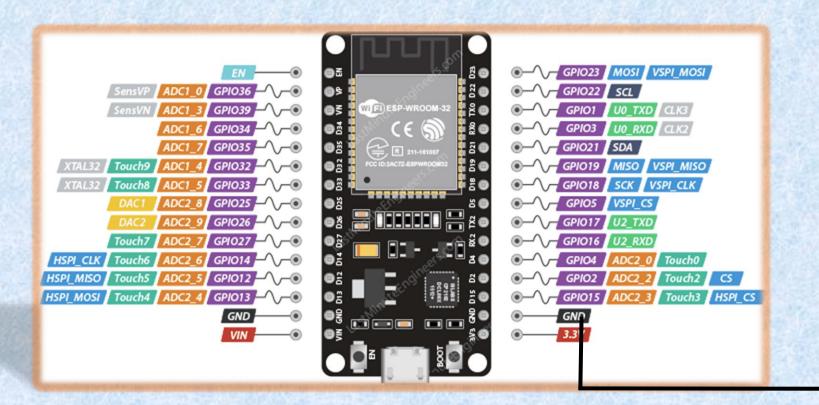


Connect Center Pin - D21

CIRCUIT DIAGRAM

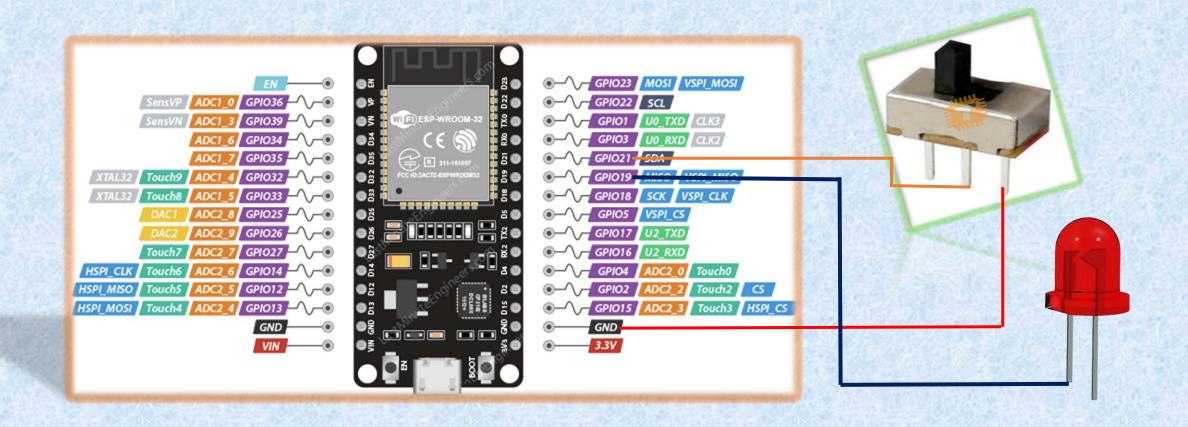


connect 3rd pin-GND

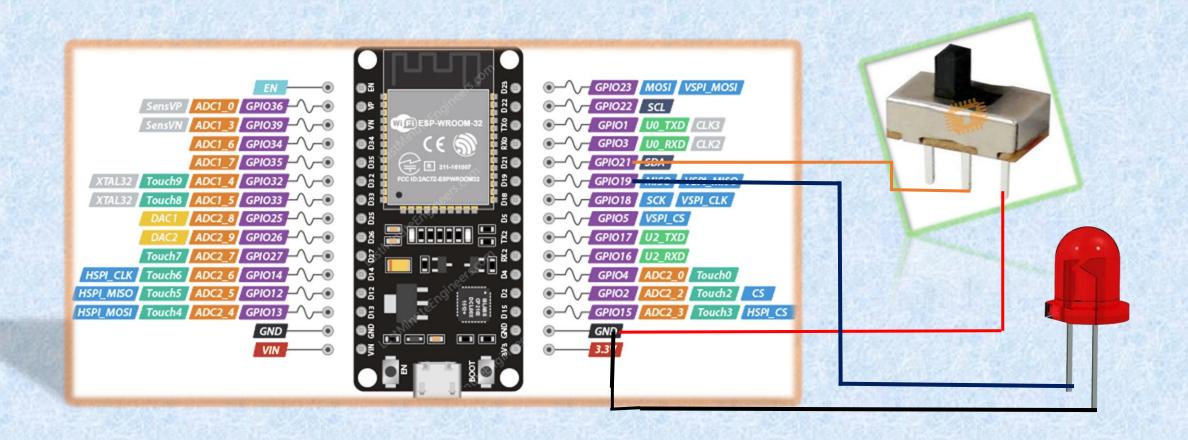




CONNECT CENTER PIN-D21 3rd PIN-GND ANODE-D19 CATHODE-GND



CONNECT CENTER PIN-D21 3rd PIN-GND ANODE-D19 CATHODE-GND



CONNECT CENTER PIN-D21 3rd PIN-GND ANODE-D19 CATHODE-GND

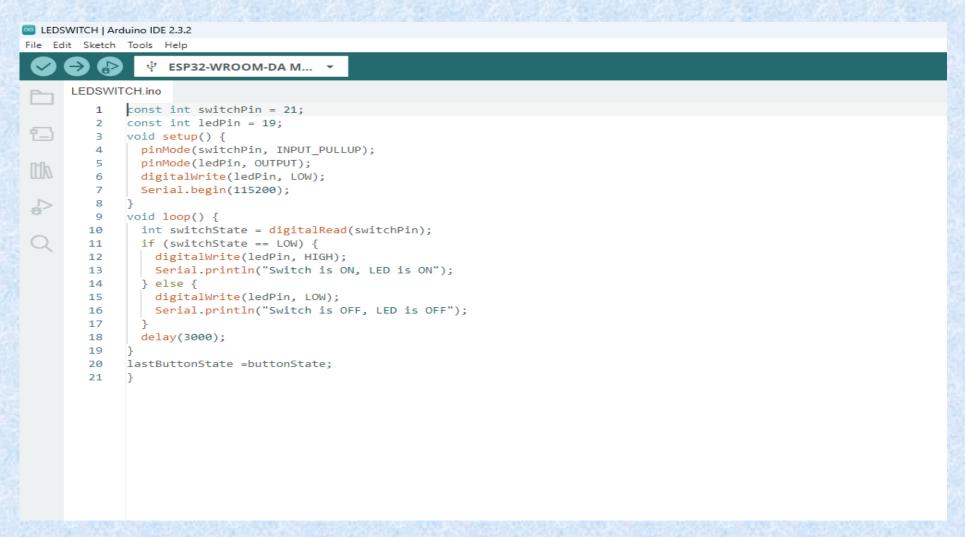
CODE:-

```
const int switchPin = 21;
const int ledPin = 19;
void setup() {
 pinMode(switchPin, INPUT_PULLUP);
 pinMode(ledPin, OUTPUT);
 digitalWrite(ledPin, LOW);
 Serial.begin(115200);
void loop() {
 int switchState = digitalRead(switchPin);
 if (switchState == LOW) {
  digitalWrite(ledPin, HIGH);
  Serial.println("Switch is ON, LED is ON");
```

```
else {
    digitalWrite(ledPin, LOW);
    Serial.println("Switch is OFF, LED is OFF");
    }
    delay(3000);
}
lastButtonState = buttonState;
}
```

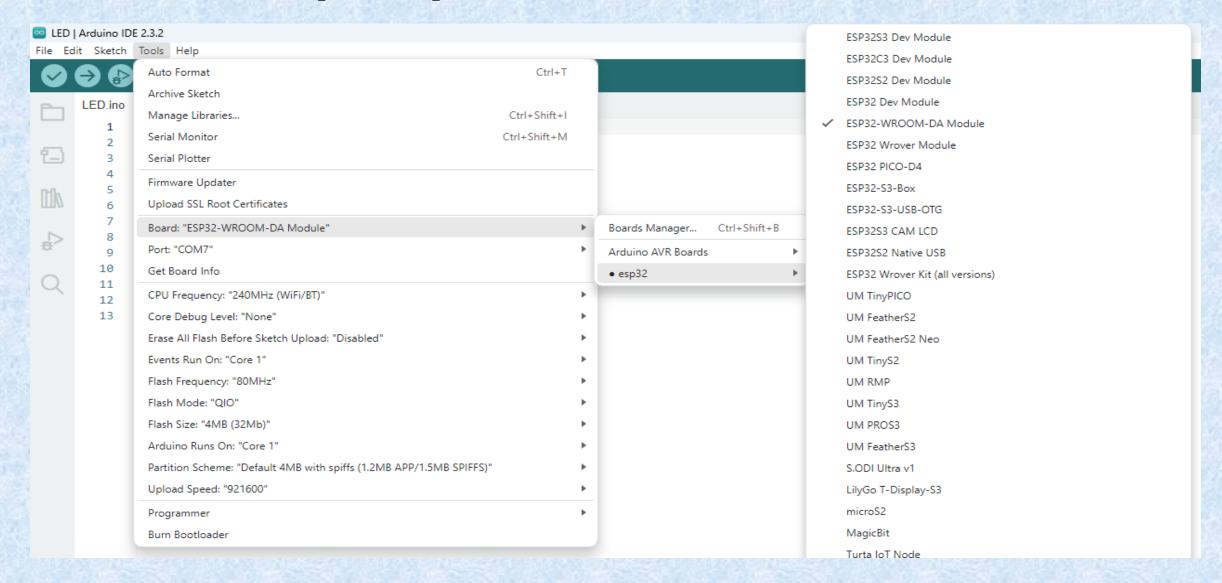
STEP 1:

Copy code paste in Arduino new Sketch



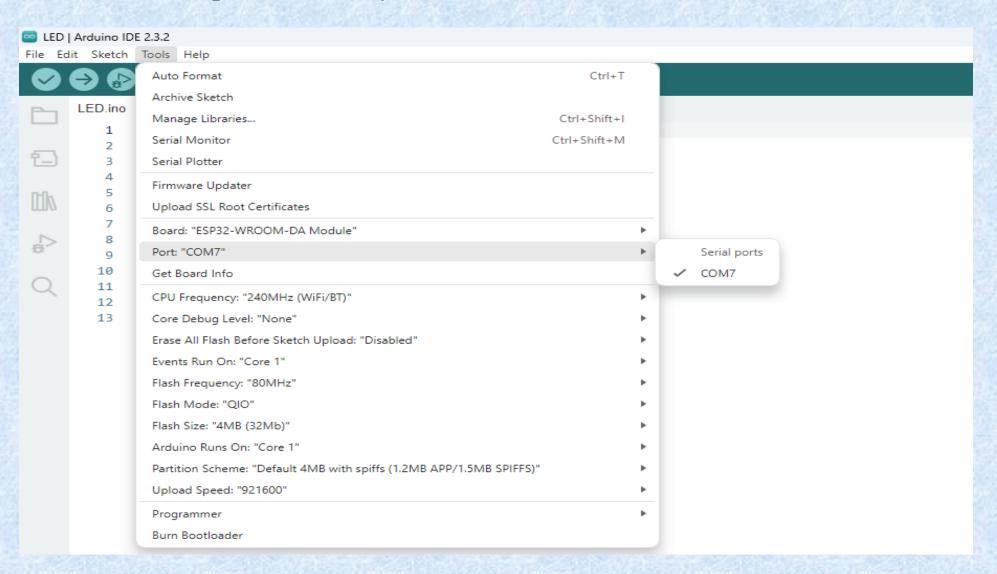
STEP 2:

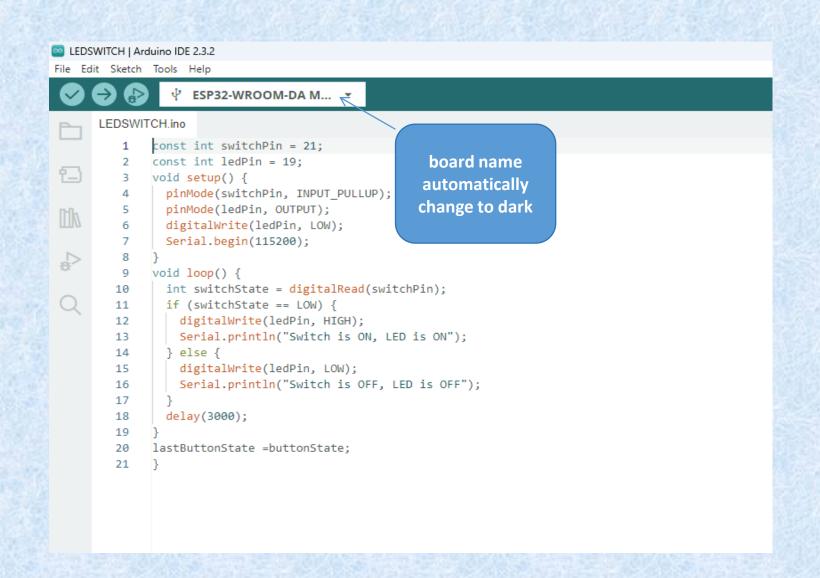
Board---->esp32---->esp32-wroom-DA module

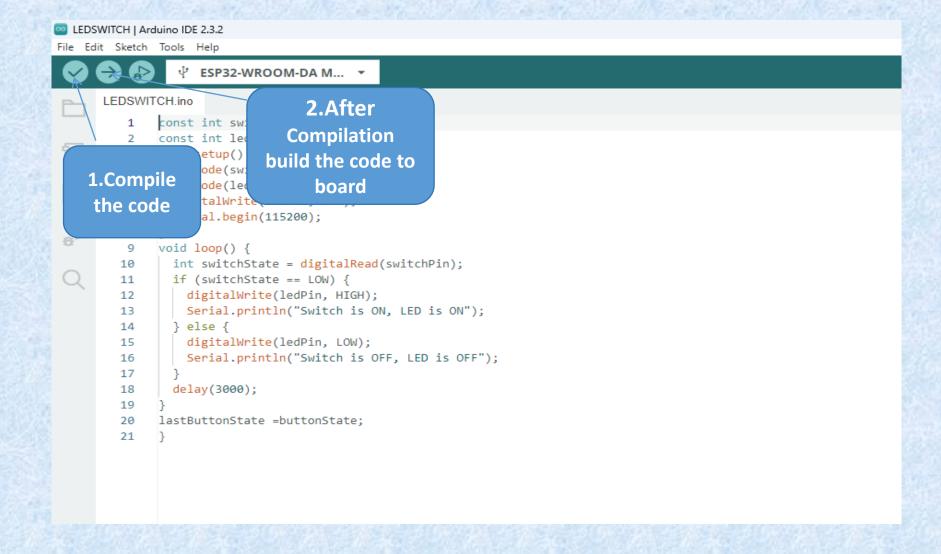


STEP 3:

Tools---->select your com







OUTPUT:

