**Code:**

int sensorState = 0;

void setup()

{

pinMode(2, INPUT);

pinMode(13, OUTPUT);

Serial.begin(9600);

}

void loop()

{

sensorState = digitalRead(2);

if (sensorState == HIGH) {

digitalWrite(13, HIGH);

Serial.println("Sensor activated!");

} else {

digitalWrite(13, LOW);

}

delay(100);

}