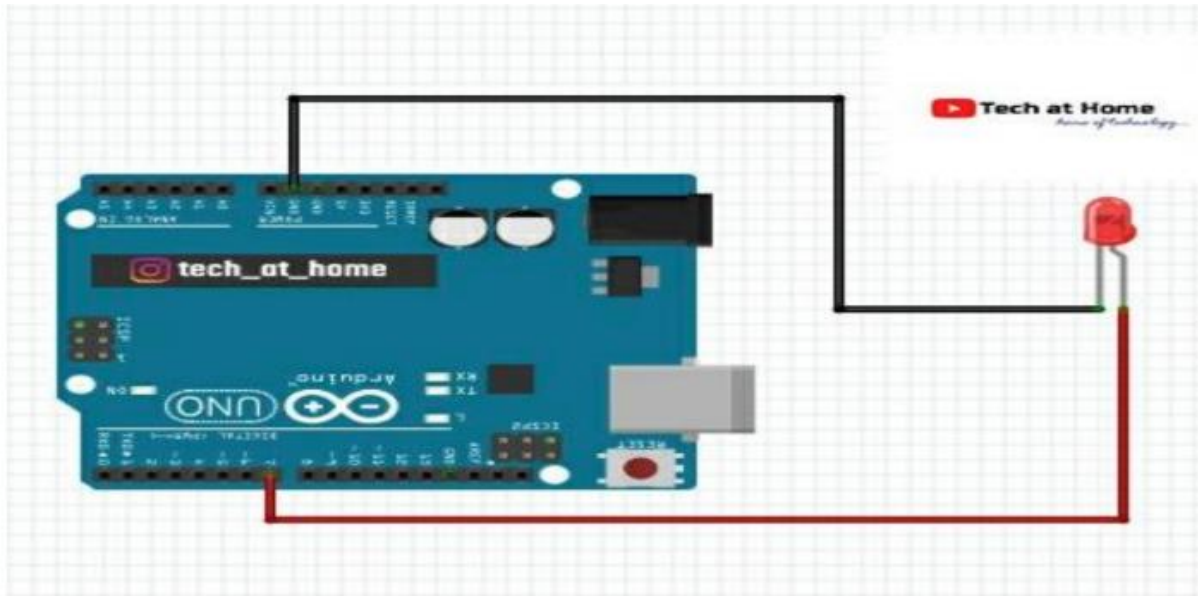
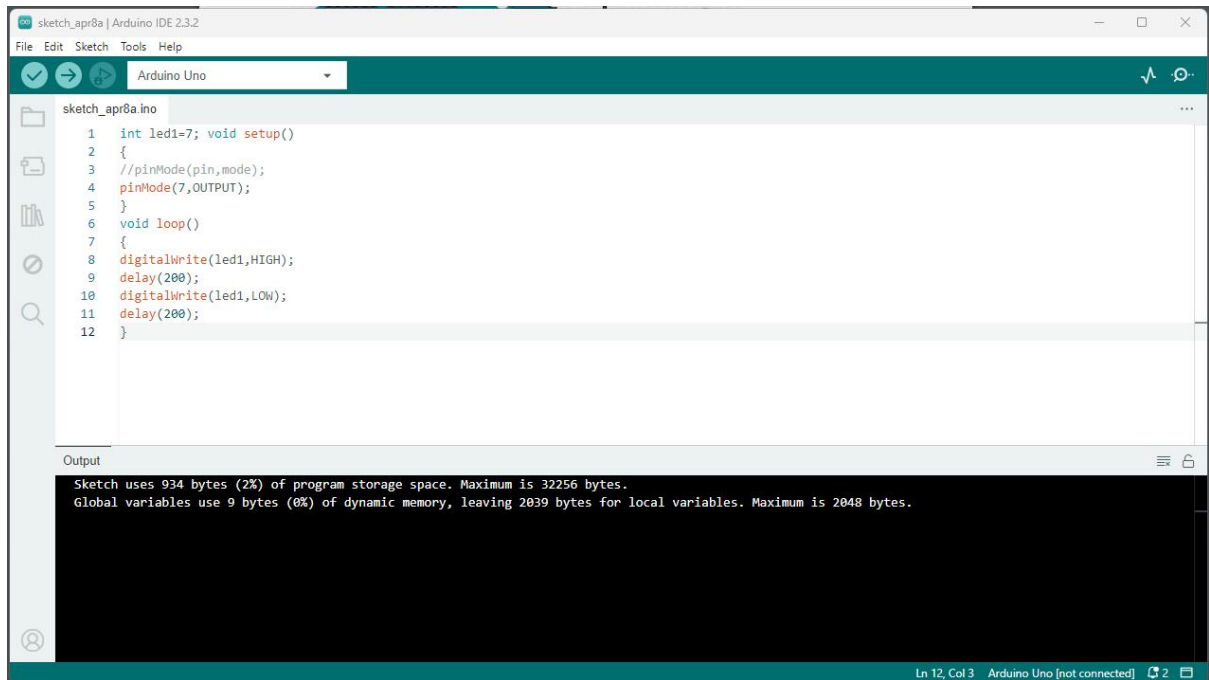


EIOT MANUAL EXP 10:

CIRCUIT:



Exp 10 OUTPUT:

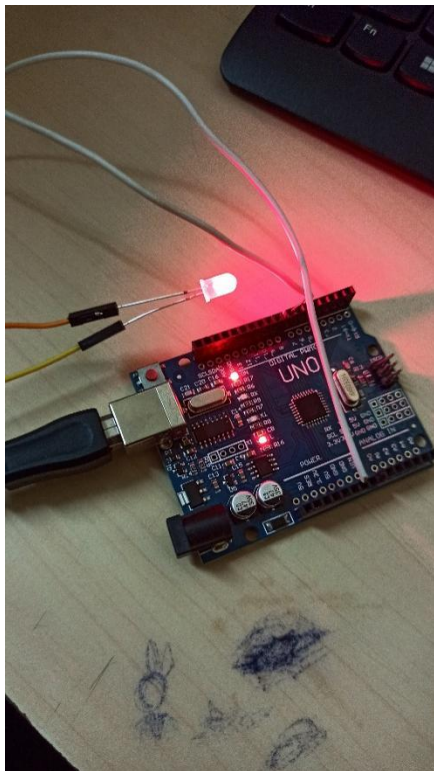


```
sketch_apr8a.ino
1  int led1=7; void setup()
2  {
3    //pinMode(pin,mode);
4    pinMode(7,OUTPUT);
5  }
6  void loop()
7  {
8    digitalWrite(led1,HIGH);
9    delay(200);
10   digitalWrite(led1,LOW);
11   delay(200);
12 }
```

Output

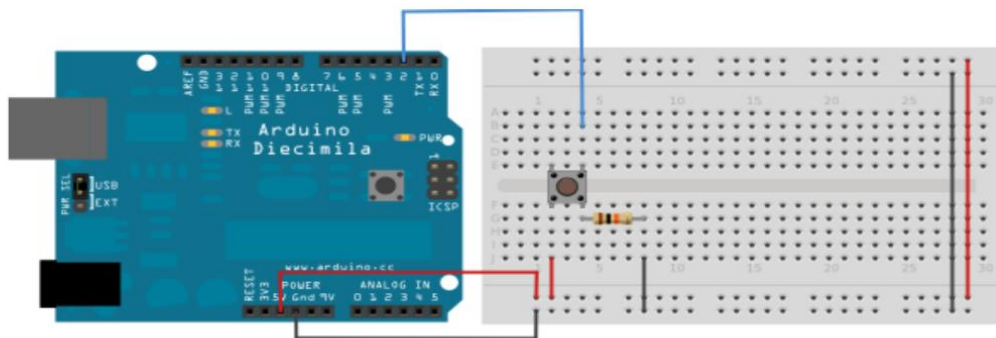
Sketch uses 934 bytes (2%) of program storage space. Maximum is 32256 bytes.
Global variables use 9 bytes (0%) of dynamic memory, leaving 2039 bytes for local variables. Maximum is 2048 bytes.

Ln 12, Col 3 Arduino Uno [not connected]

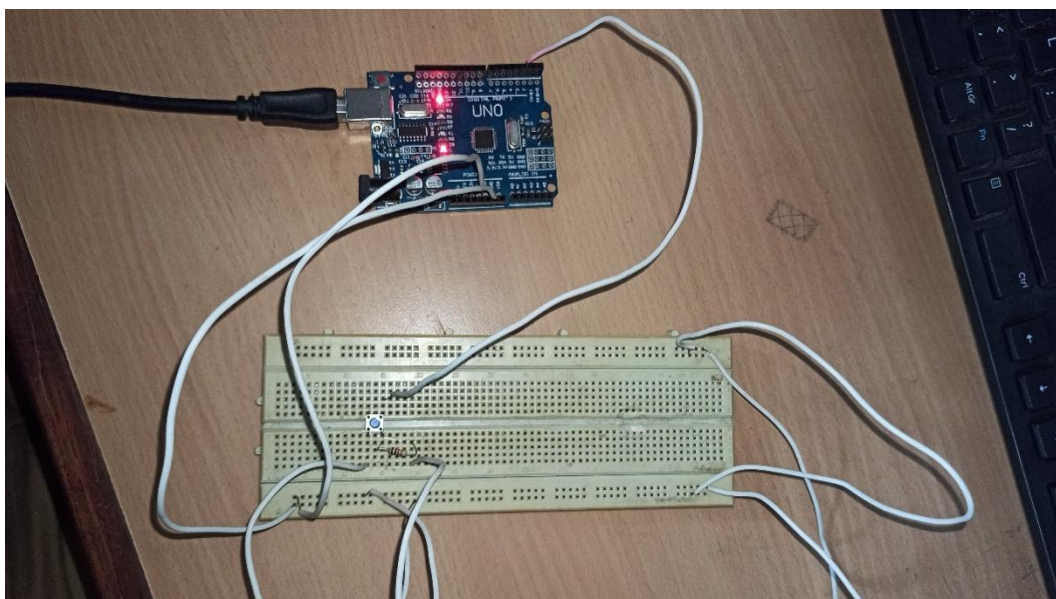
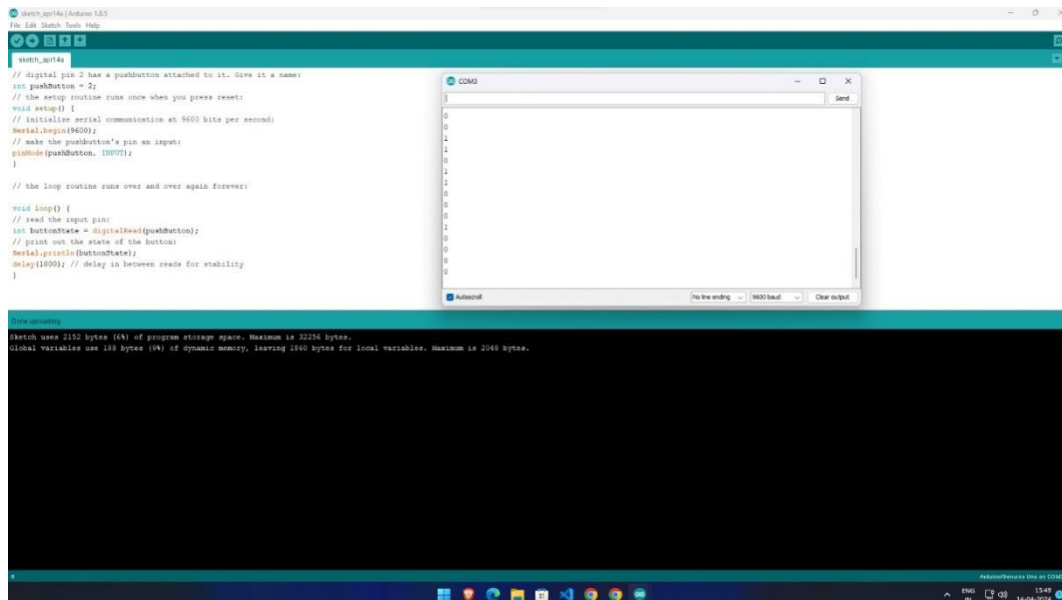


EIOT MANUAL EXP 11:

CIRCUIT:

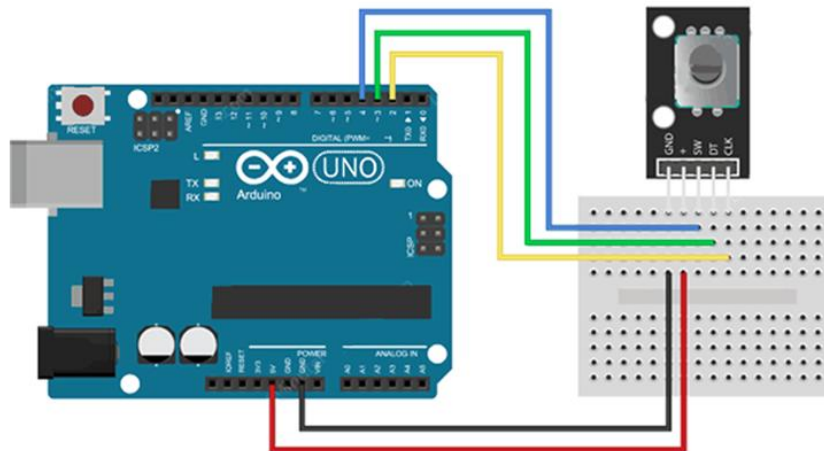


OUTPUT:



EIOT MANUAL EXP 12:

CIRCUIT:



OUTPUT:

```
sketch_apr14a | Arduino 1.8.5
File Edit Sketch Tools Help

sketch_apr14a
Serial.print(direction);
Serial.print(currentDir);
Serial.print(" | Counter: ");
Serial.println(counter);
}
// Remember last CLK state
lastStateCLK = currentStateCLK;
// Read the button state
int btnState = digitalRead(SW);
//If we detect LOW signal, button is pressed
if (btnState == LOW) {
  //If 50ms have passed since last LOW pulse, it means that the
  //button has been pressed, released and pressed again
  if (millis() - lastButtonPress > 50) {
    Serial.println("Button pressed");
  }
  // Remember last button press event
  lastButtonPress = millis();
}
// Put in a slight delay to help debounce the reading
delay(1);
}

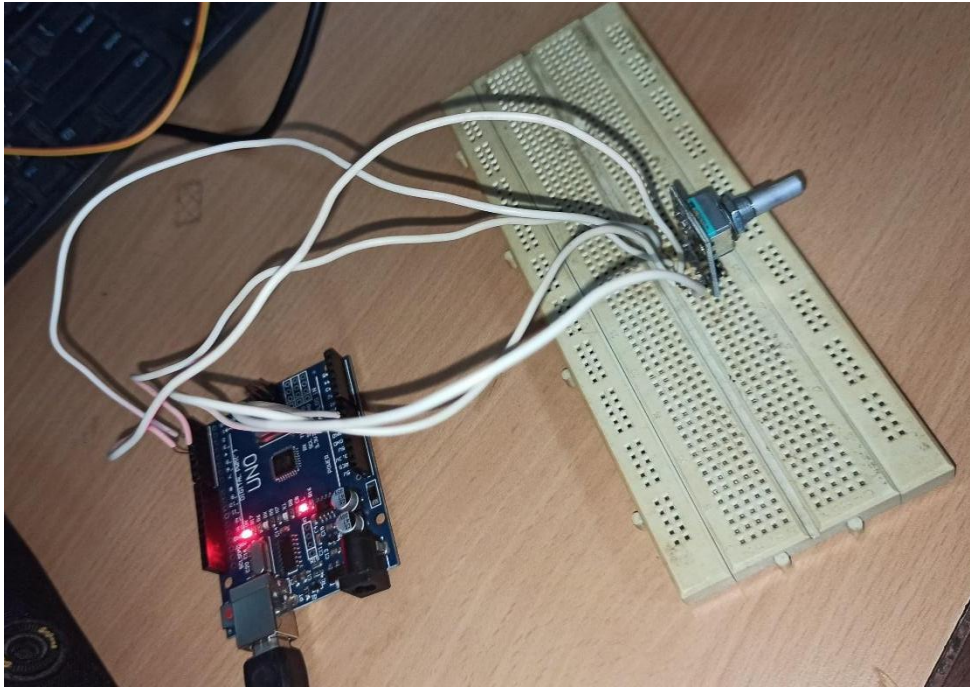
Done uploading
Sketch uses 3890 bytes (12%) of program storage space. Maximum is 32256 bytes.
Global variables use 258 bytes (12%) of dynamic memory, leaving 1790 bytes for local variables. Maximum is 2048 bytes.
```

```
COM3
Direction: CW | Counter: -8
Direction: CW | Counter: -7
Direction: CW | Counter: -6
Direction: CW | Counter: -5
Direction: CW | Counter: -4
Direction: CW | Counter: -3
Direction: CW | Counter: -2
Direction: CW | Counter: -1
Direction: CW | Counter: 0
Direction: CW | Counter: 1
Direction: CW | Counter: 2
Direction: CW | Counter: 3
Direction: CW | Counter: 4
Direction: CW | Counter: 5
Direction: CW | Counter: 6

No line ending | 9600 baud | Clear output
```

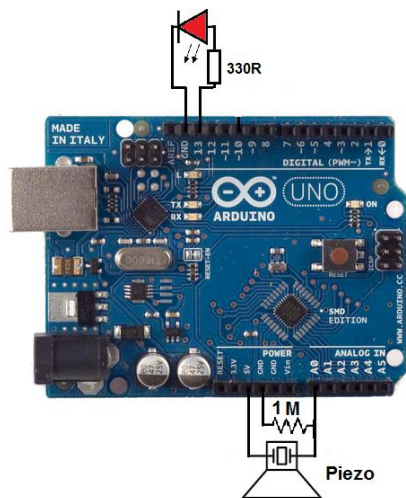
Arduino/Genuino Uno on COM3

Exp 12 output 2



EIOT MANUAL EXP 13:

CIRCUIT:



EXp 13 OUTPUT:

```
sketch_apr14a | Arduino 1.8.5
File Edit Sketch Tools Help

sketch_apr14a

const int sensorPin=0;
const int ledPin= 13;
const int threshold= 50;

void setup()
{
  pinMode(ledPin, OUTPUT);
}

void loop()
{
  int val= analogRead(sensorPin);
  if (val >= threshold)
  {
    digitalWrite(ledPin, HIGH);
    delay(5000);
    digitalWrite(ledPin, LOW);
  }
  else
  {
    digitalWrite(ledPin, LOW);
  }
}

Done Saving.

Sketch uses 740 bytes (2%) of program storage space. Maximum is 32256 bytes.
Global variables use 9 bytes (0%) of dynamic memory, leaving 2039 bytes for local variables. Maximum is 2048 bytes.
```

