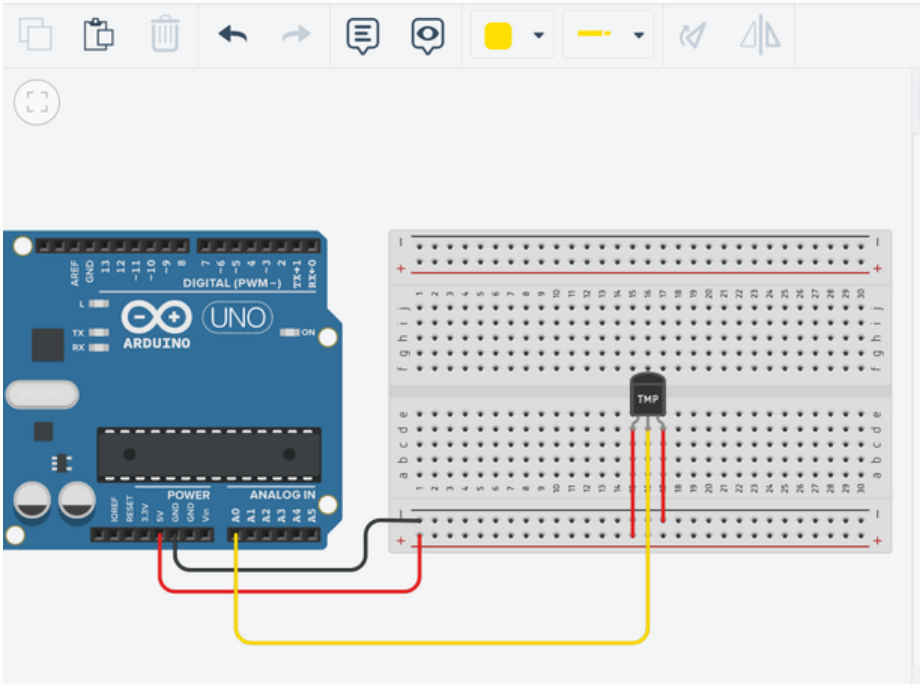
# DESIGN AND PROGRAMMING OF AN ELECTRONIC CIRCUT FOR AN ANALOG SENSOR

## Connecting




## Code + Run

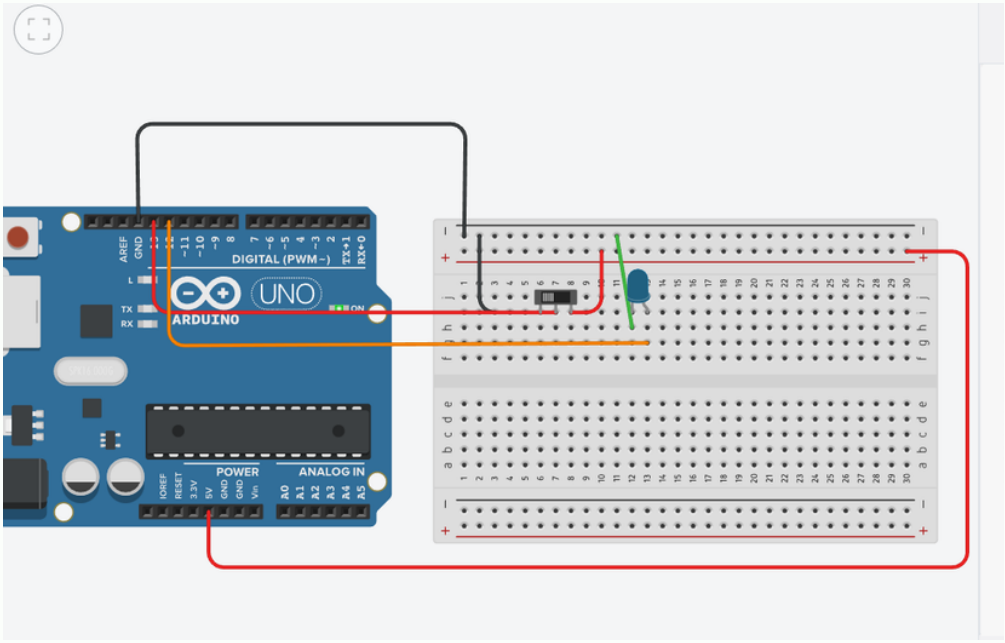
```
float temp;
int tempPin = 0;

void setup() {
   Serial.begin(9600);
}

void loop() {
   temp = analogRead(tempPin);
   temp = temp * 0.48828125;
   Serial.print("TEMPERATURE = ");
   Serial.print(temp);
   Serial.print("*C");
   Serial.println();
   delay(1000);
}
```

Serial Monitor

```
TEMPERATURE = 74.71*C
TEMPERATURE = 74.71*C
TEMPERATURE = 74.71*C
TEMPERATURE = 74.71*C
TEMPERATURE = 107.91*C
TEMPERATURE = 132.81*C
TEMPERATURE = 174.80*C
TEMPERATURE = 174.80*C
```

# DESIGN AND PROGRAMMING OF AN ELECTRONIC CIRCUT FOR AN DIGITAL SENSOR

## Connecting




## Code+Run

```
int val = 0;

void setup()
{
  pinMode(13,INPUT);
  pinMode(12,OUTPUT);
}
void loop()
{
  val = digitalRead(13);
  if (val == LOW) {
    digitalWrite(12, LOW);
  }
  else
  {
    digitalWrite(12, HIGH);
  }
}
```