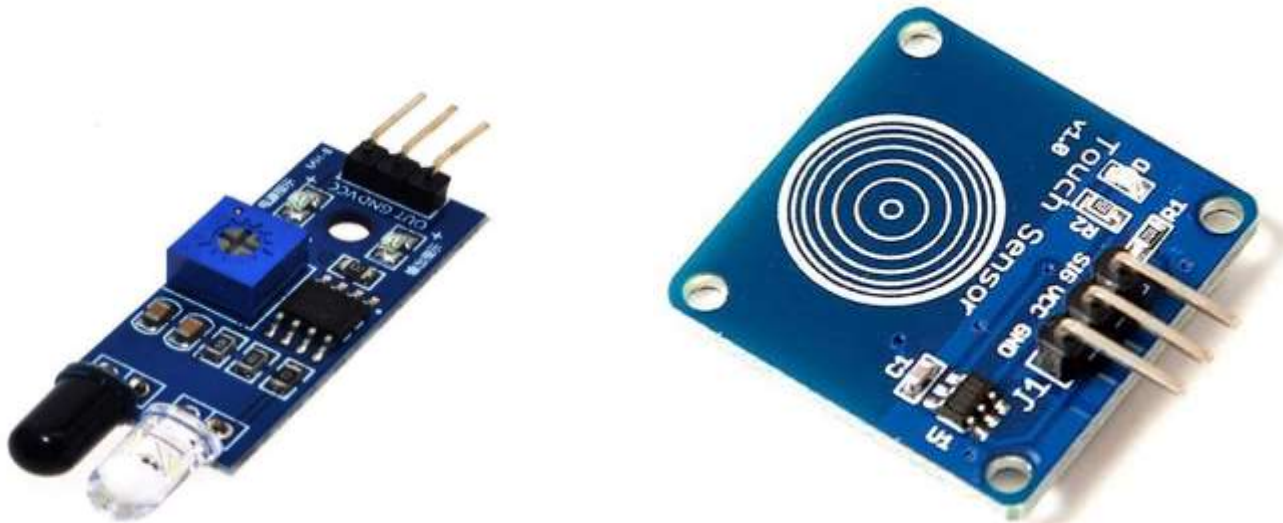


# Digital Sensors

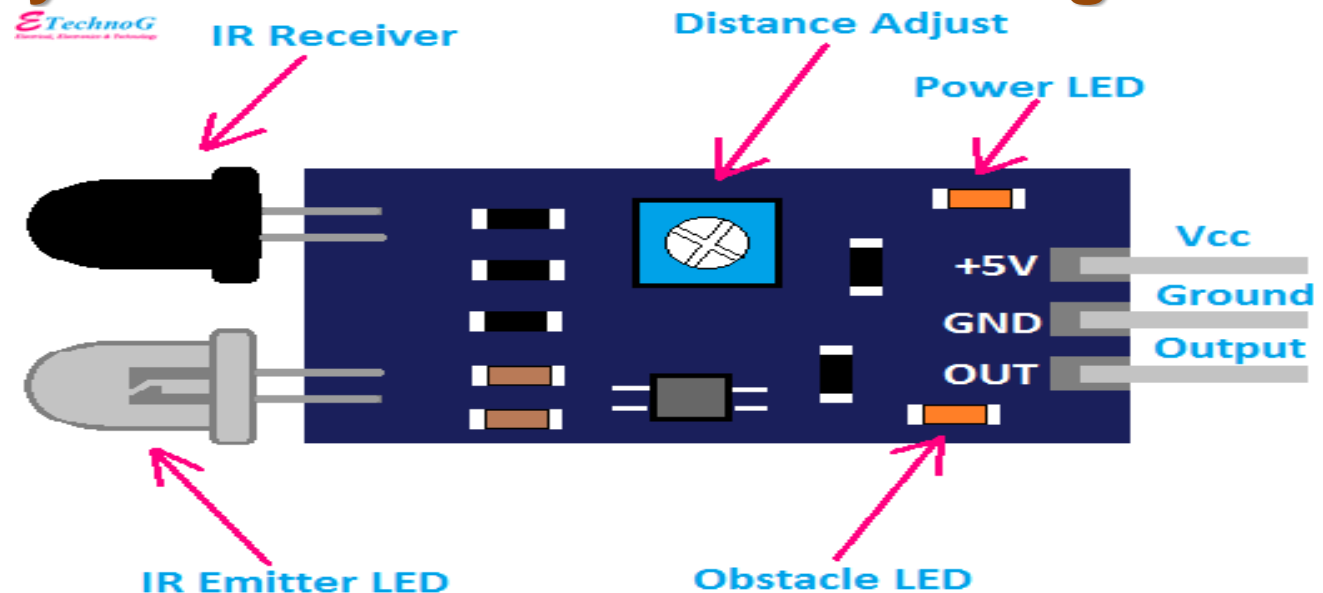
# What is Digital Sensor ?

- ✓ Digital sensors are the sensors in which the signal is directly converted into the digital signal output. Digital sensors just act as switches

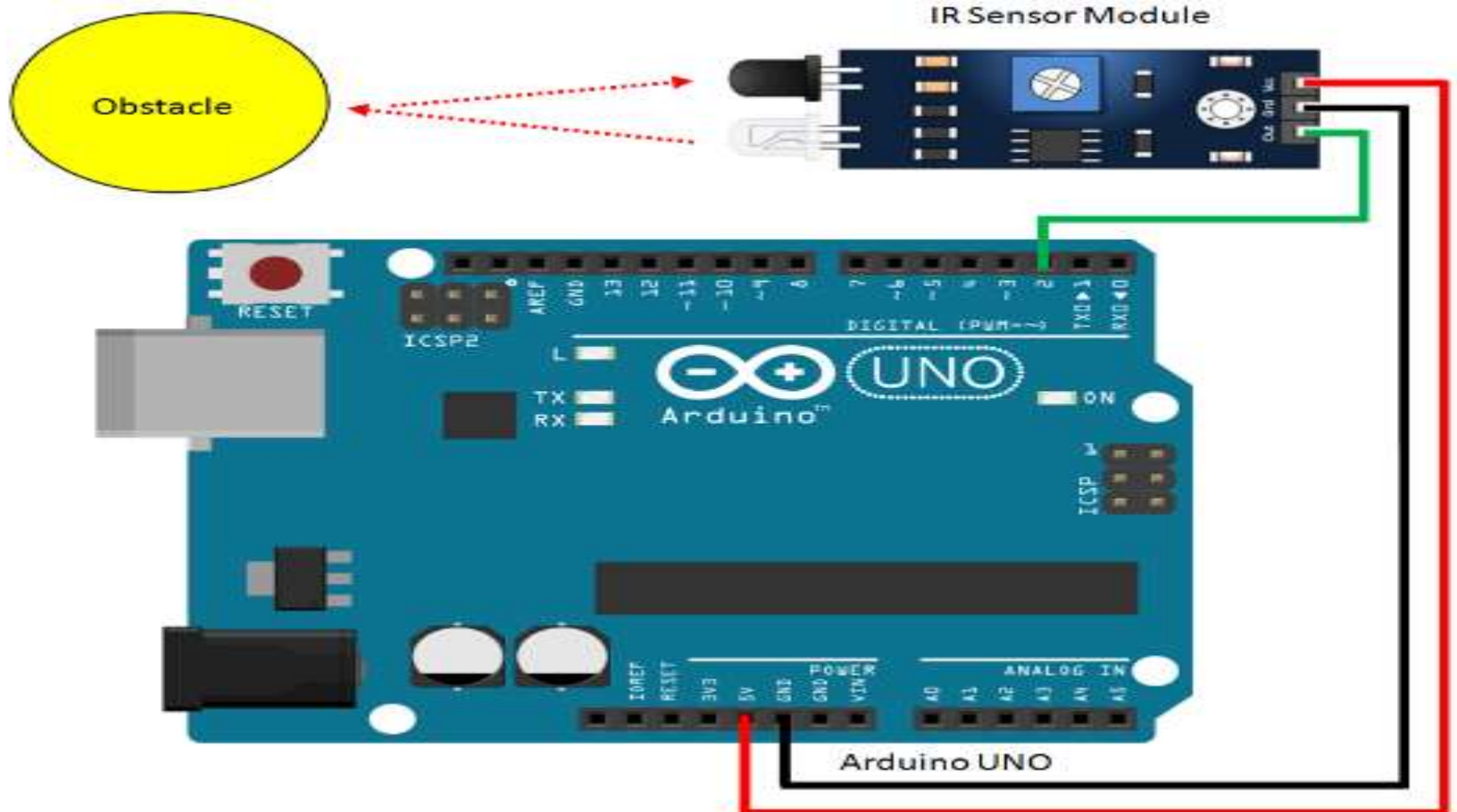


# What is IR Sensor ?

- An Infrared sensor (IR sensor) is a radiation-sensitive optoelectronic component widely used in motion detectors, which are used in building services to switch on lamps or in alarm systems to detect unwelcome guests.



# Circuit Connections



# Coding for IR Sensor :

```
void setup()
{
  pinMode(13,OUTPUT
);
  pinMode(2,INPUT);
  Serial.begin(9600);
}
```

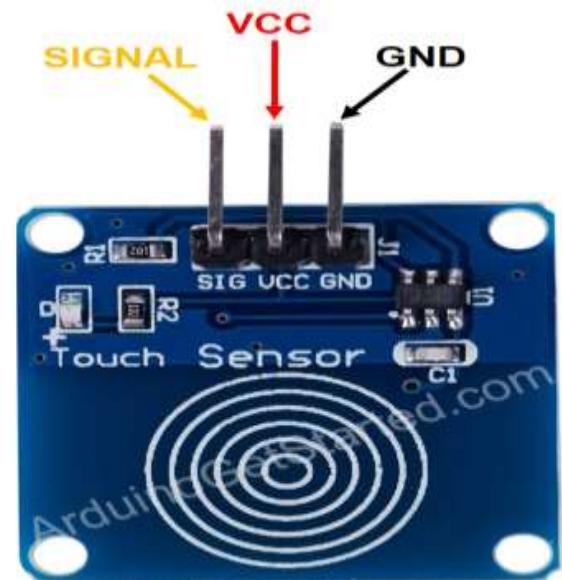
```
void loop()
{
  if (digitalRead(2)== LOW)
  {
    digitalWrite(13,HIGH);

    delay(10);
  }
  else
  {

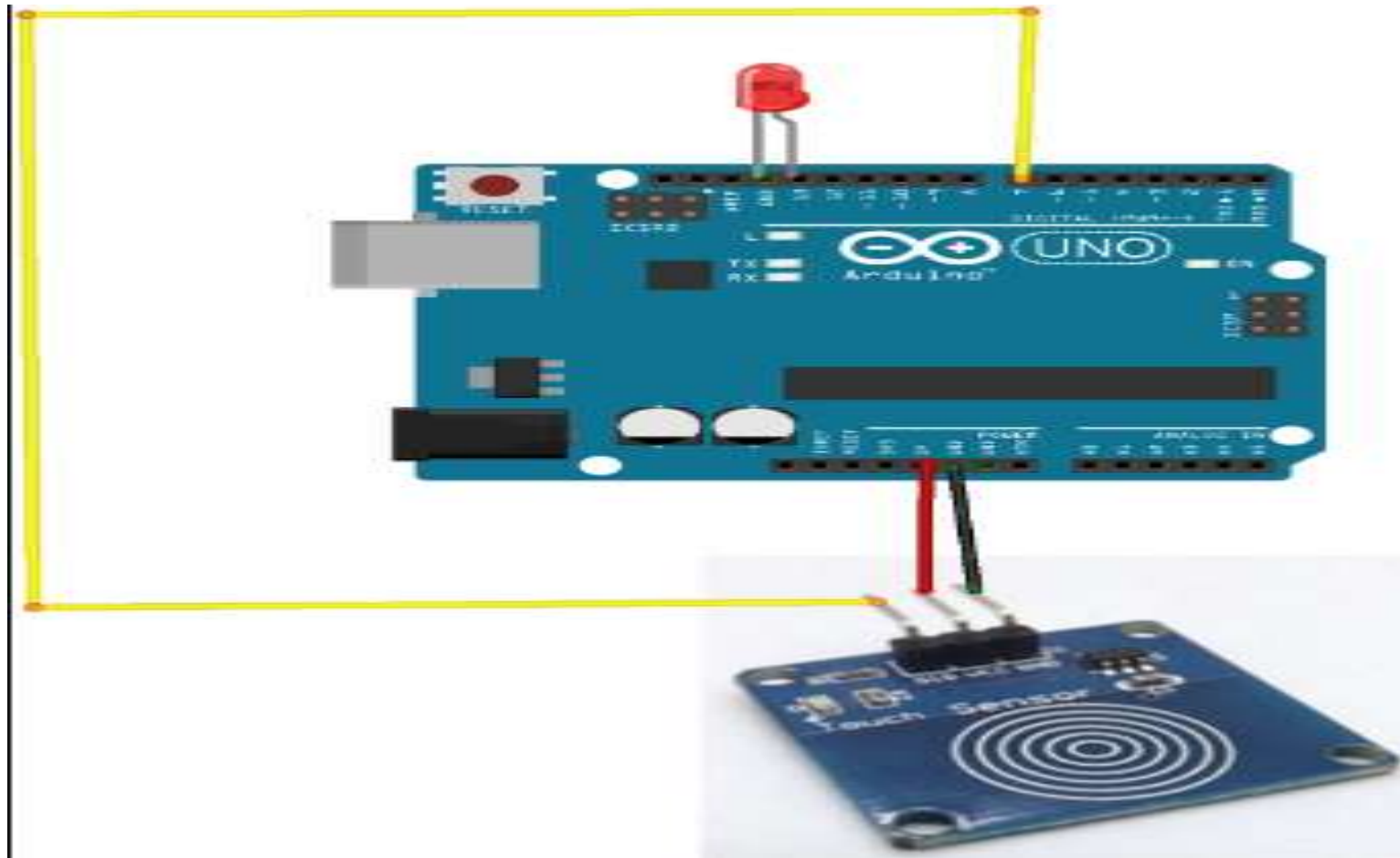
    digitalWrite(13,LOW);
    delay(10);
  }}
}
```

# What is Touch Sensor ?

- A touch sensor is a type of device that captures and records physical touch on a device and/or object.
- It enables a device or object to detect touch or near proximity, typically by a human user or operator



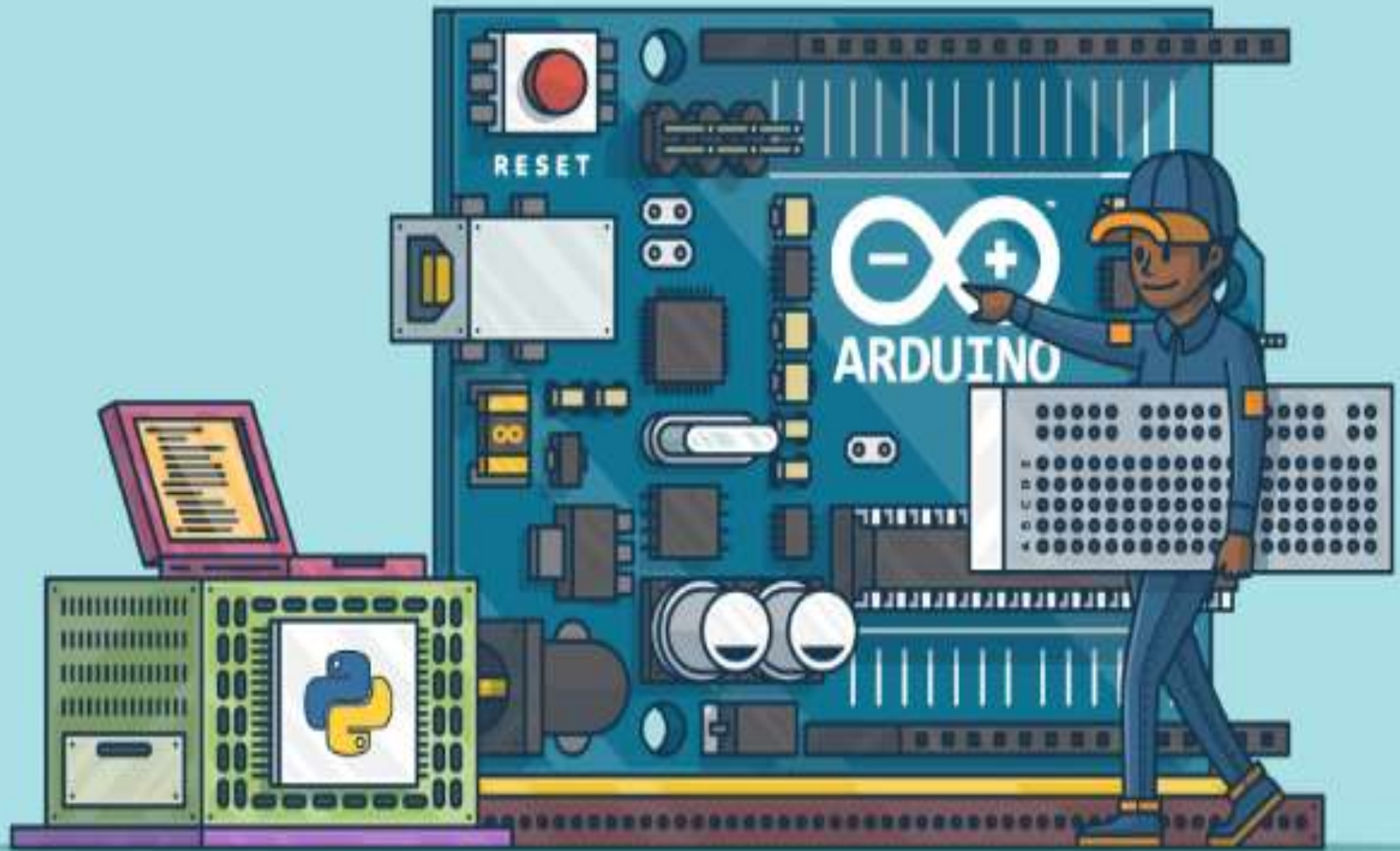
# Circuit Connections



# Coding part.....!!!!

```
void setup()
{
  pinMode (7,INPUT);
  pinMode (13,OUTPUT);
}
void loop()
{
  int touchValue = digitalRead(7);
  if(touchValue == 1)
  {
    digitalWrite (13,HIGH);
  }
  else
  {
    digitalWrite (13,LOW);
  }
}
```





THANK YOU!