

Examples of IOT



Smart Refrigerators



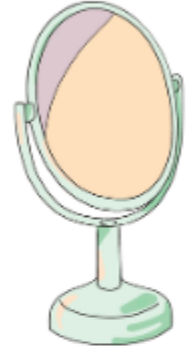
Smart Locks



Smart Lighting



Smart Plugs



Smart Mirrors



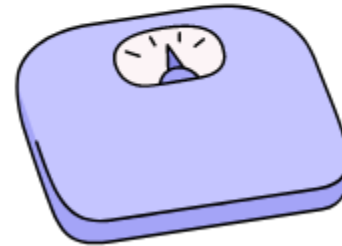
Smart Speakers



Smart Beds



Smart TVs



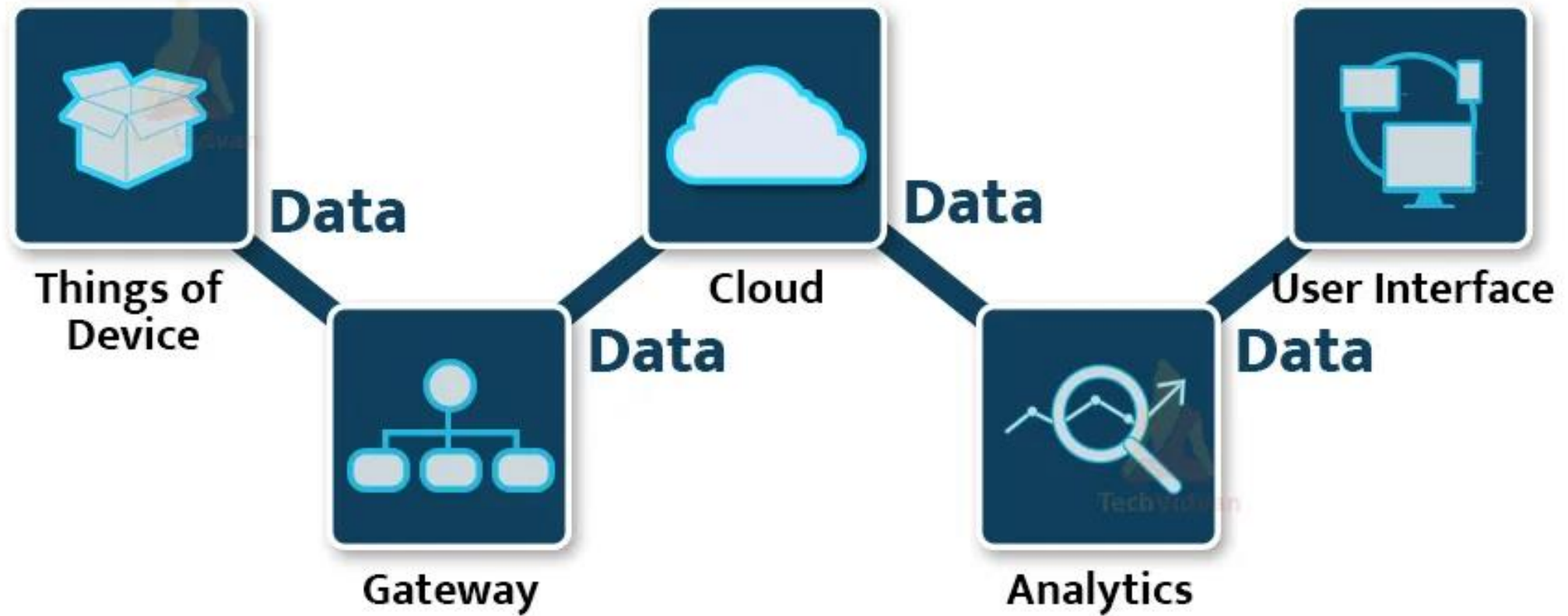
Smart Scales



Smart Glasses



Components of IoT Architecture




```
int ledPin = 13;           // Integer
const int buttonPin = 2;   // Constant Integer
float sensorValue = 12.00; // Floating-point number
bool buttonState = false;  // Boolean: Stores true/false
String myText = "Hello World"; // Declare a String variable
```

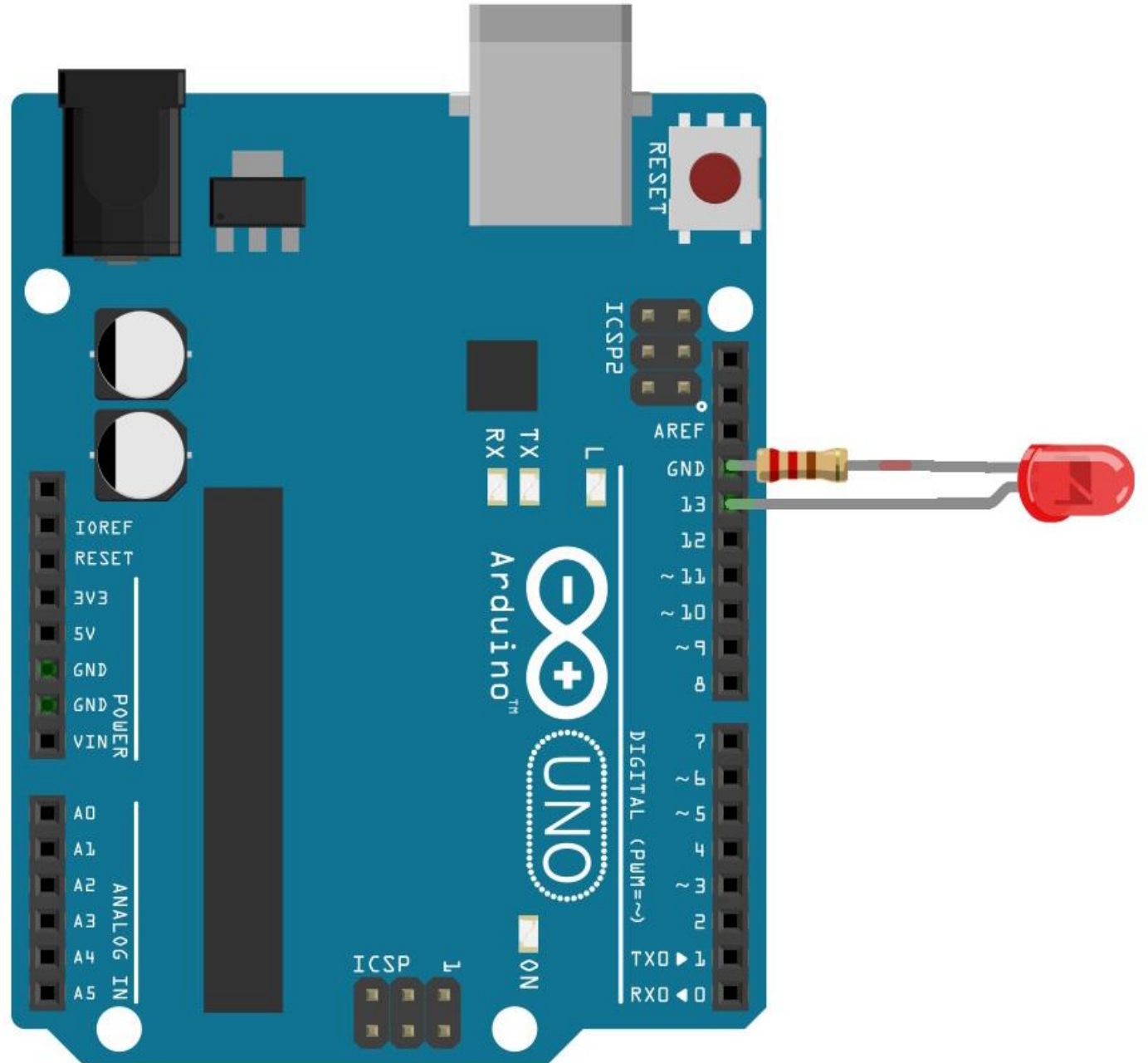
```
int i = 1;
i = i + 1;
```

```
pinMode(ledPin, OUTPUT); // Set pin 13 as OUTPUT for LED
pinMode(buttonPin, INPUT); // Set pin 2 as INPUT for Button
```

```
Serial.begin(9600);
Serial.println(buttonState);
Serial.print(myText);
```

```
delay(5000);
```

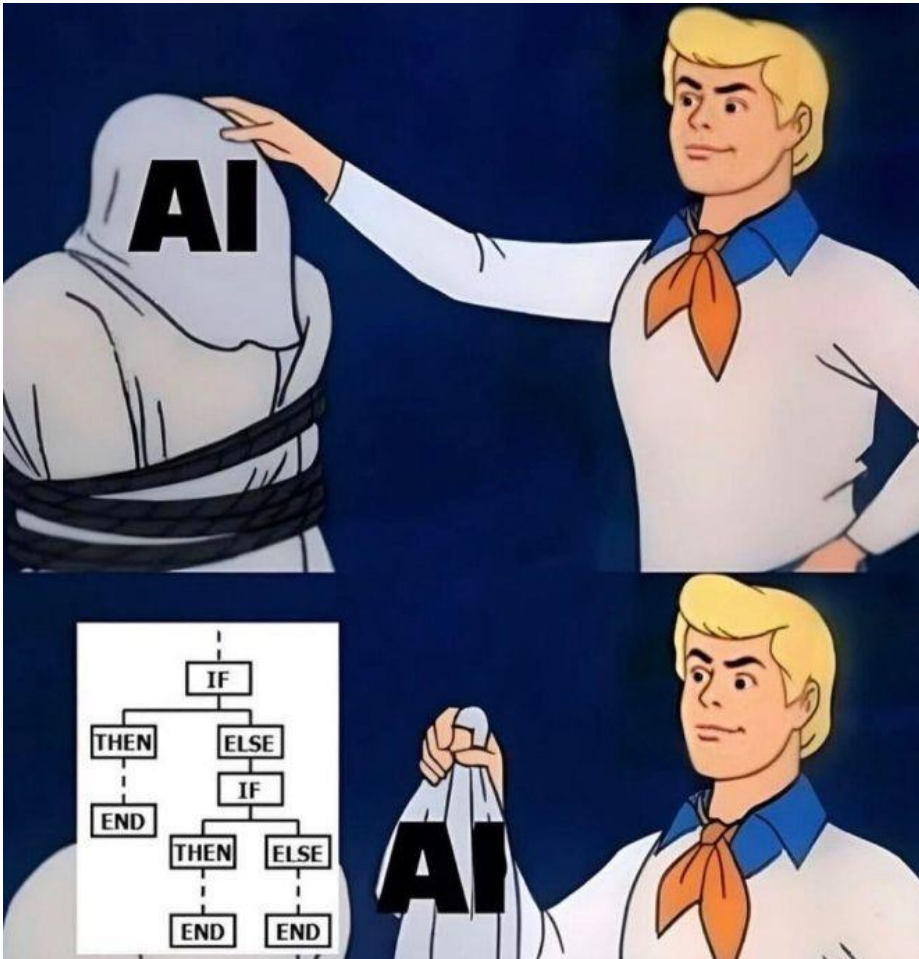
```
digitalWrite(LED_PIN, HIGH);  
digitalWrite(LED_PIN, 1);  
delay(1000);  
digitalWrite(LED_PIN, LOW);  
digitalWrite(LED_PIN, 0);
```



```

if (buttonState == HIGH) {
  Serial.println("Button khula he");
} else {
  Serial.println("Button Band he");
}

```

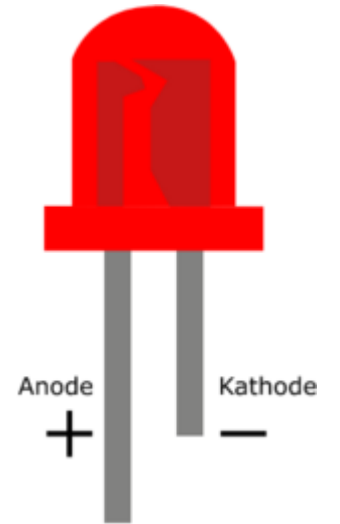


```

#define LED_PIN 11
void setup() {
  pinMode(LED_PIN, OUTPUT);
}
void loop() {
  for (int i = 0; i <= 255; i++) {
    analogWrite(LED_PIN, i);
    delay(10);
  }

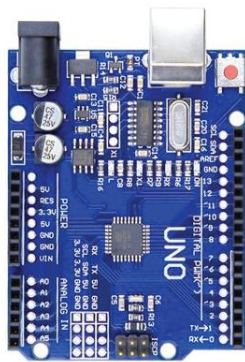
  for (int i = 255; i >= 0; i--) {
    analogWrite(LED_PIN, i);
    delay(10);
  }
}

```





BOARD TYPE



SMD



DIP

