Potentiometer LED

```
int i = 0;  // Variable to store analog value

void setup() {
  pinMode(A0, INPUT);   // Analog input pin
  pinMode(13, OUTPUT);  // LED 1
  pinMode(12, OUTPUT);  // LED 2
  pinMode(11, OUTPUT);  // LED 3
}

void loop() {
  i = analogRead(A0);   // Read analog value (0–1023)

  if (i < 400) {          // Low range
    digitalWrite(13, HIGH);  // LED1 ON
    digitalWrite(12, LOW);
    digitalWrite(11, LOW);
  }
  else if (i < 900) {      // Medium range
    digitalWrite(13, LOW);
    digitalWrite(12, HIGH);  // LED2 ON
    digitalWrite(11, LOW);
  }
```

```
else {            // High range

  digitalWrite(13, LOW);

  digitalWrite(12, LOW);

  digitalWrite(11, HIGH);  // LED3 ON

 }


 delay(100);  // Small delay for stability

}
```

Connections: