

```
// Arduino Program for Touch Sensor (TTP223)
```

```
// When touched, LED will turn ON
```

```
int touchPin = 2; // Pin connected to Touch Sensor OUT
```

```
int ledPin = 13; // Pin connected to onboard LED (or external LED)
```

```
int sensorValue = 0;
```

```
void setup() {
```

```
  pinMode(touchPin, INPUT_PULLUP); // Set touch sensor pin as input
```

```
  pinMode(ledPin, OUTPUT); // Set LED pin as output
```

```
  Serial.begin(9600); // Start serial monitor for debugging
```

```
}
```

```
void loop() {
```

```
  sensorValue = digitalRead(touchPin); // Read touch sensor state
```

```
  if (sensorValue == HIGH) { // When sensor is touched
```

```
    digitalWrite(ledPin, HIGH); // Turn ON LED
```

```
    Serial.println("Touched");
```

```
  }
```

```
  else { // When not touched
```

```
    digitalWrite(ledPin, LOW); // Turn OFF LED
```

```
    Serial.println("Not touched");
```

```
}
```

```
  delay(100); // Small delay for stability
```

```
}
```

