

```
int analogInPin1 = 5; // Analog input pin that the slap potentiometer is attached to
int analogInPin2 = 4; // Analog input pin that the punch potentiometer is attached to
int analogInPin3 = 3; // Analog input pin that the kick potentiometer is attached to
int ledPin1 = 4;    // Digital output the slap LED is attached to
int ledPin2 = 5;    // Digital output the punch LED is attached to
int ledPin3 = 6;    // Digital output the kick LED is attached to
```

```
int threshhold = 800; // threshold level for flex sensors
int threshhold1 = 750; // alternative threshold
int sensorValue1 = 0;    // value read from the pot
int sensorValue2 = 0;    // value read from the pot
int sensorValue3 = 0;    // value read from the pot
```

```
void setup() {
  // initialize serial communications at 300 bps:
  Serial.begin(300);
  pinMode(ledPin1, OUTPUT); //serial communication for slap sensor
  pinMode(ledPin2, OUTPUT); //serial communication for punch sensor
  pinMode(ledPin3, OUTPUT); //serial communication for kick sensor
}
```

```
void loop() {
  // read the analog in value:
  sensorValue1 = analogRead(analogInPin1); //slap sensor value
  sensorValue2 = analogRead(analogInPin2); //punch sensor value
  sensorValue3 = analogRead(analogInPin3); //kick sensor value
  Serial.println(sensorValue1); //serial communication slap line
  Serial.println(sensorValue2); //serial communication punch line
  Serial.println(sensorValue3); //serial communication kick line
```

```
if (sensorValue1 > threshhold) {
  //turn slap LED on:
  digitalWrite(ledPin1, HIGH);
```

```
} else
{digitalWrite(ledPin1, LOW);
  } //turn slap LED off:

if (sensorValue2 > threshhold1) {
  //turn punch LED on:
  digitalWrite(ledPin2, HIGH);
} else
{digitalWrite(ledPin2, LOW);
  } //turn punch LED off.

if (sensorValue3 > threshhold) {
  //turn kick LED on:
  digitalWrite(ledPin3, HIGH);
} else
{digitalWrite(ledPin3, LOW);
  } //turn kick LED off.
}
```