```
#include  <CapacitiveSensor.h>

CapacitiveSensor sensor = CapacitiveSensor(7, 6);
CapacitiveSensor sensor1 = CapacitiveSensor(7, 5);
CapacitiveSensor sensor2 = CapacitiveSensor(7, 4);
CapacitiveSensor sensor3 = CapacitiveSensor(7, 3);

int val0 = 0;
int lastVal0 = 0;
int val = 0;
int lastVal = 0;
int val1 = 0;
int lastVal1 = 0;
int val2 = 0;
int lastVal2 = 0;
int val3 = 0;
int lastVal3 = 0;
int ldr = 0;
int lastLdr = 0;

void setup()
{
Serial.begin(9600);
}

void loop()
{

//#define  MIDImessage;

  int lectura =  sensor.capacitiveSensor(30);
  int lectura1 =  sensor1.capacitiveSensor(30);
  int lectura2 =  sensor2.capacitiveSensor(30);
  int lectura3 =  sensor3.capacitiveSensor(30);

//if ((lectura/9) > 127)
//(lectura/9) == 127;
// val0 = (lectura/9);
//   if (val0 != lastVal)
//   {
//    MIDImessage(176,5,val);}
//   lastVal0 = val0;

if (lectura > 80)
```

```
val = 127;
else
val = 0;
if (val != lastVal){
    MIDImessage(176,1,val);}
    lastVal = val;

if (lectura1 > 80)
val1 = 127;
else
val1 = 0;
if (val1 != lastVal1){
    MIDImessage(176,2,val1);}
    lastVal1 = val1;

if (lectura2 > 80)
val2 = 127;
else
val2 = 0;
if (val2 != lastVal2){
    MIDImessage(176,3,val2);}
    lastVal2 = val2;

if (lectura3 > 80)
val3 = 127;
else
val3 = 0;
if (val3 != lastVal3){
    MIDImessage(176,4,val3);}
    lastVal3 = val3;


ldr = (analogRead(1)/8);
    if (ldr != lastLdr) {
    MIDImessage(176,6,ldr);
    }
    lastLdr = ldr;

delay(10);

//     Serial.print(lectura1);
//     Serial.println(";");
//     Serial.print(lectura2);
//     Serial.println(";");
```

```
}
void MIDImessage(byte command, byte data1, byte data2) {
    Serial.write(command);
    Serial.write(data1);
    Serial.write(data2);
}
//
```