

Arduino code:

```
int ledPins[] = {8, 9, 10, 11, 12}; // Thumb, Index, Middle, Ring, Pinky

void setup() { Serial.begin(9600);
for (int i = 0; i < 5; i++)
{
pinMode(ledPins[i], OUTPUT);

}

}

void loop()
{

if (Serial.available() >= 5)
{
// Expect 5 bytes for 5 fingers for
(int i = 0; i < 5; i++)
{
int fingerState = Serial.read(); // Read each finger state (0 or 1)

digitalWrite(ledPins[i], fingerState == 1? HIGH: LOW); // Turn LED on/off

}

}

}
```

