Laboratorium z przedmiotu Systemy Wbudowane (SW) Zadanie nr 5				
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Zadanie 2.

Utworzenie tabeli w bazie danych:

```
sqlite> create table pomiary(temperatura number, wilgotnosc number);
```

Kod programu w Pythonie:

```
import sqlite3
import Adafruit_DHT
con = sqlite3.connect('baza_sw5')
cur = con.cursor()
sensor = Adafruit_DHT.DHT11
pin = 'P8_{11}'
humidities = []
temperatures = []
for i in range(18):
humidity, temperature = Adafruit_DHT.read_retry(sensor, pin)
humidities.append(humidity)
temperatures.append(temperature)
print("Pomiar", i, temperature, humidity)
humidities.remove(max(humidities))
humidities.remove(min(humidities))
temperatures.remove(max(temperatures))
temperatures.remove(min(temperatures))
avg_hum = sum(humidities)/16
avg_temp = sum(temperatures)/16
cur.execute("INSERT INTO pomiary VALUES(?, ?)", (avg_temp, avg_hum))
cur.execute("SELECT * FROM pomiary")
print(cur.fetchall())
con.commit()
con.close()
```

Sprawdzenie zawartości tabeli po kilku uruchomieniach programu:

sqlite> select * from pomiary;
24|34
24.1875|33.625
27.1875|32.25
25|33

