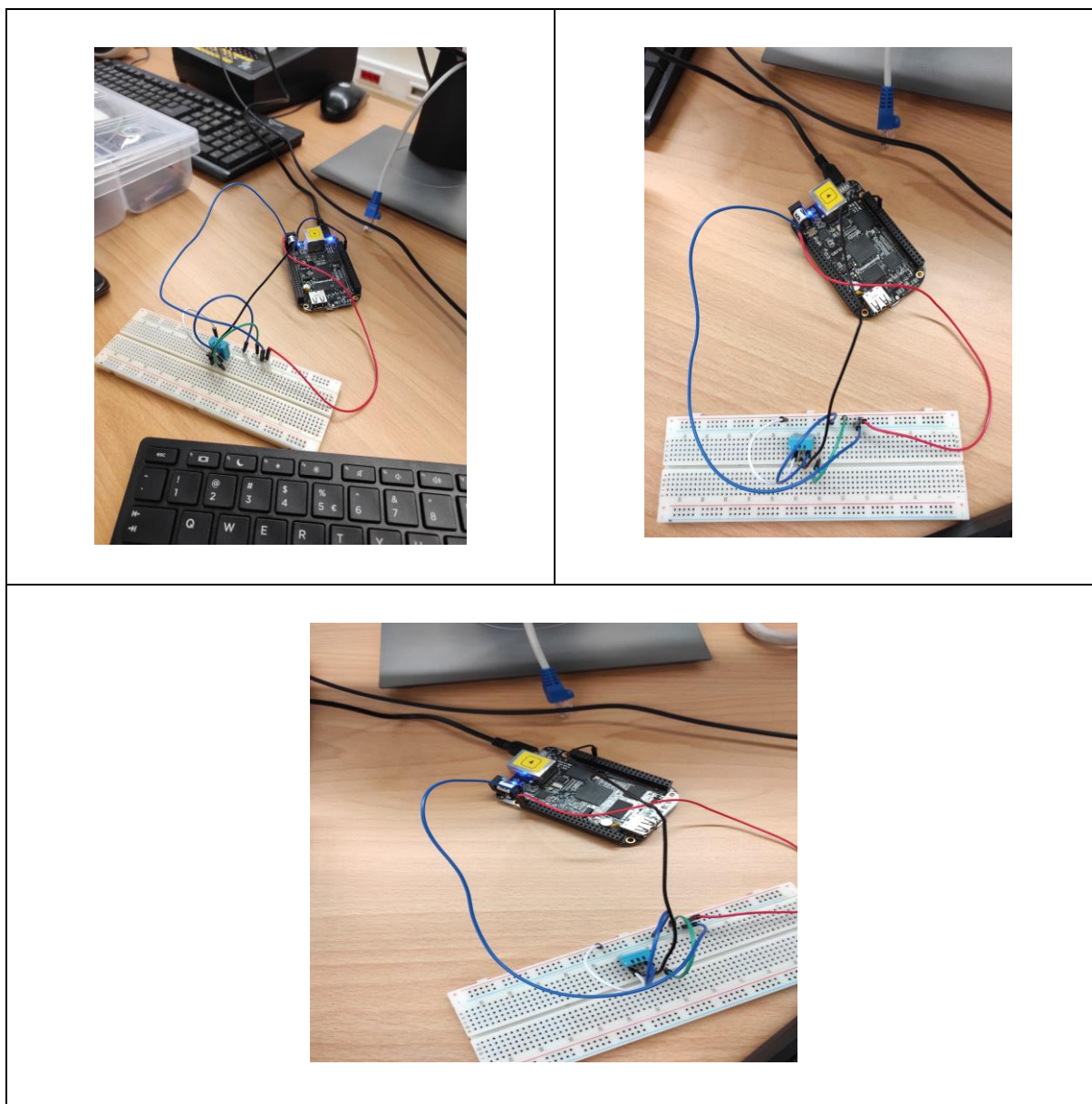


[Z5] Wybrana platforma - baza danych

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ZDJĘCIA ZREALIZOWANEGO UKŁADU



KOD ZREALIZOWANEGO ALGORYTMU (wraz z komentarzami)

```
#!/usr/bin/python

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import Adafruit_DHT
import sqlite3
from datetime import datetime

# Sensor should be set to Adafruit_DHT.DHT11,
# Adafruit_DHT.DHT22, or Adafruit_DHT.AM2302.
sensor = Adafruit_DHT.DHT11
conn = sqlite3.connect("pomiary.db")
cursor = conn.cursor()
cursor.execute("""CREATE TABLE IF NOT EXISTS pomiary
                (id INTEGER PRIMARY KEY,
                 data_godzina TEXT,
                 sredni_pomiar NUMBER(7,2));""")
```

```

# Example using a Beaglebone Black with DHT sensor
# connected to pin P8_11 OR P8_12.
pin = 'P8_12'

# Example using a Raspberry Pi with DHT sensor
# connected to GPIO23.
#pin = 23
pomiary = list()
for i in range(18):
    humidity, temperature = Adafruit_DHT.read_retry(sensor, pin)
    if humidity is not None and temperature is not None:
        pomiary.append(humidity)
        print('Temp={0:0.1f}*C Humidity={1:0.1f}%'.format(temperature, humidity))
    else:
        print('Failed to get reading. Try again!')

pomiary.remove(max(pomiary))
pomiary.remove(min(pomiary))
suma = sum(pomiary)
srednia = suma / len(pomiary)
print(*pomiary)
print(srednia)
data_godzina = datetime.now()
cursor.execute("INSERT INTO pomiary (data_godzina, sredni_pomiar) VALUES (?,?)",
(data_godzina, srednia))
cursor.execute("SELECT * FROM pomiary;")
records = cursor.fetchall()
for row in records:
    print("Id: ", row[0])
    print("Data i godzina: ", row[1])
    print("Średni pomiar: ", row[2])
    print("\n")
conn.commit()
conn.close()

```