Report for internship task 5:

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Internship iD: TN/IN02/PY/026:

GitHub link: https://github.com/Saad-Bin-Haroon/internship-task-5.git

Task Objective:

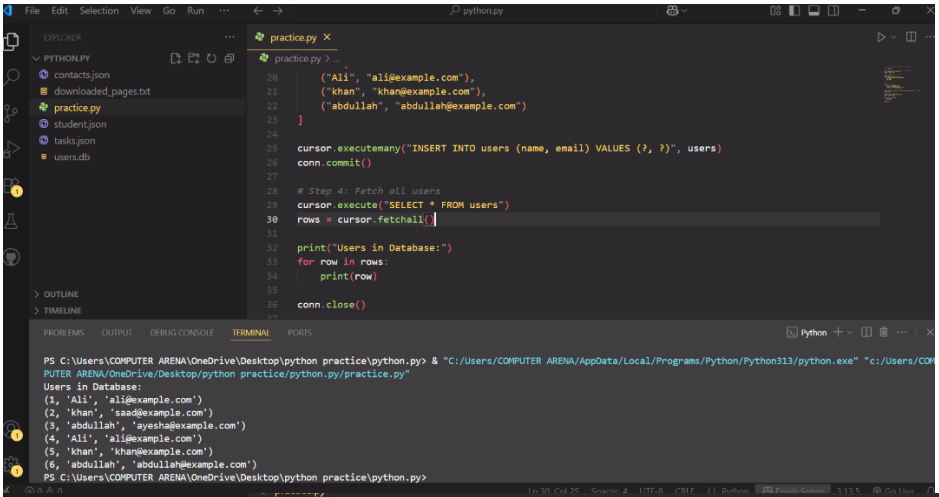
The objective of this task is for threads,processes,mongodb

Code snippets:

```
# Task 4: Insert 3 users in Database and fetch them

import sqlite3

# Step 1: Connect to database (file 'users.db' banega)
conn = sqlite3.connect("users.db")
cursor = conn.cursor()

# Step 2: Create table if not exists
cursor.execute("""
CREATE TABLE IF NOT EXISTS users (
    id INTEGER PRIMARY KEY AUTOINCREMENT,
    name TEXT,
    email TEXT
)
""")

# Step 3: Insert 3 users
users = [
    ("Ali", "ali@example.com"),
    ("Saad", "saad@example.com"),
    ("Ayesha", "ayesha@example.com")
]
```

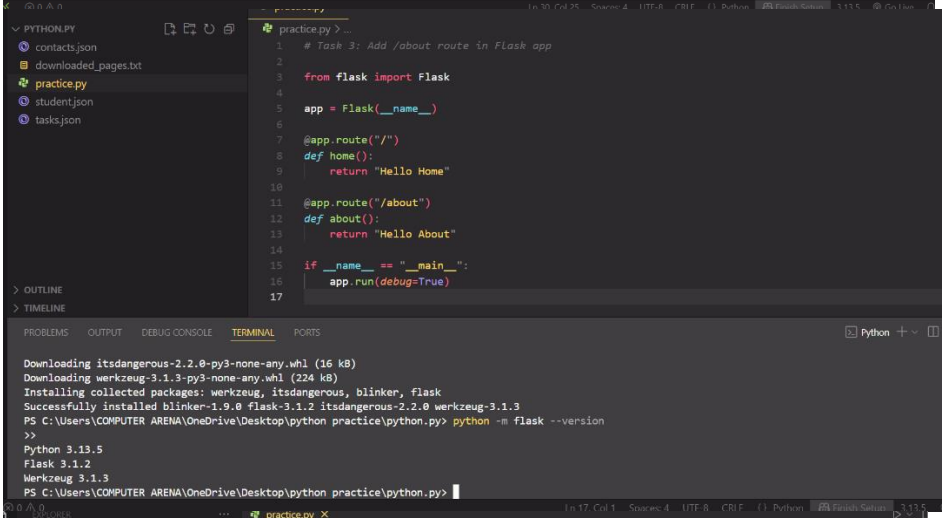
```
cursor.executemany("INSERT INTO users (name, email) VALUES (?, ?)", users)
conn.commit()

# Step 4: Fetch all users
cursor.execute("SELECT * FROM users")
rows = cursor.fetchall()

print("Users in Database:")
for row in rows:
    print(row)

conn.close()

2: # Task 3: Add /about route in Flask app

from flask import Flask

app = Flask(__name__)

@app.route("/")
def home():
    return "Hello Home"

@app.route("/about")
def about():
    return "Hello About"

if __name__ == "__main__":
    app.run(debug=True)
```

screenshots:



```
    ("Ali", "ali@example.com"),
    ("khan", "khan@example.com"),
    ("abdullah", "abdullah@example.com")
]

cursor.executemany("INSERT INTO users (name, email) VALUES (?, ?)", users)
conn.commit()

# Step 4: Fetch all users
cursor.execute("SELECT * FROM users")
rows = cursor.fetchall()

print("Users in Database:")
for row in rows:
    print(row)

conn.close()
```

```
PS C:\Users\COMPUTER ARENA\OneDrive\Desktop\python practice\python.py> & "C:/Users/COMPUTER ARENA/AppData/Local/Programs/Python/Python313/python.exe" "c:/Users/COMPUTER ARENA/OneDrive/Desktop/python practice/python.py/practice.py"
Users in Database:
(1, 'Ali', 'ali@example.com')
(2, 'khan', 'saad@example.com')
(3, 'abdullah', 'ayesha@example.com')
(4, 'Ali', 'ali@example.com')
(5, 'khan', 'khan@example.com')
(6, 'abdullah', 'abdullah@example.com')
PS C:\Users\COMPUTER ARENA\OneDrive\Desktop\python practice\python.py>
```



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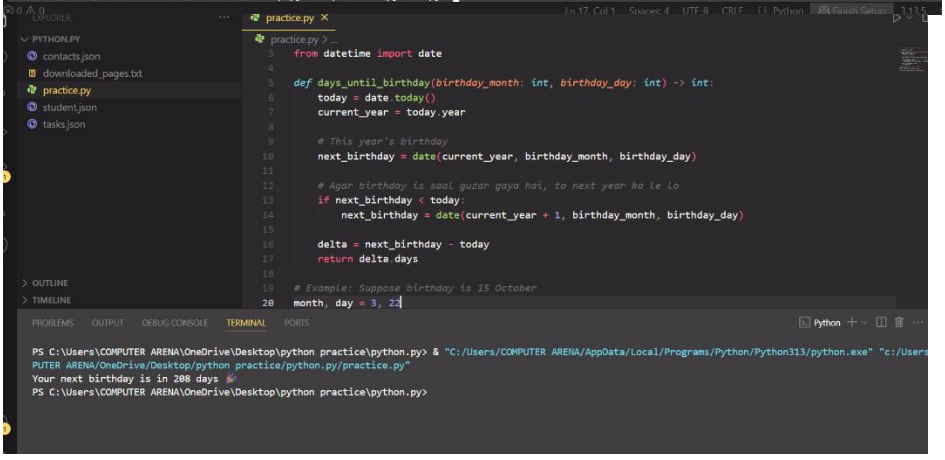
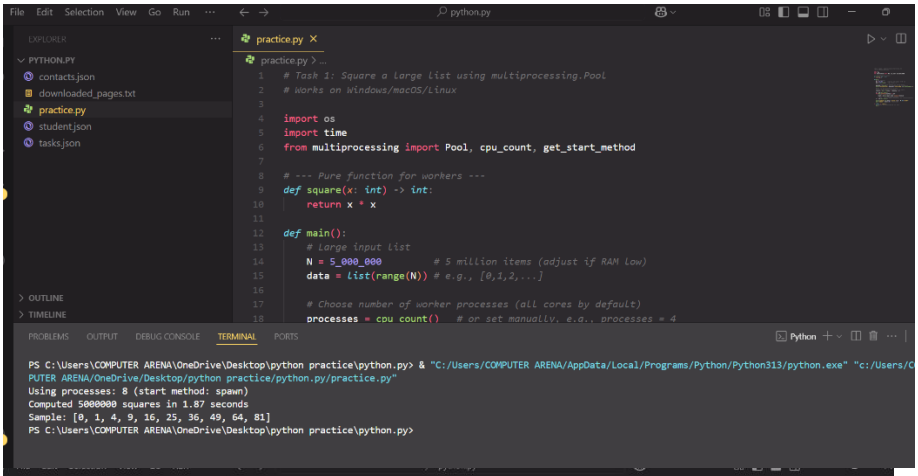
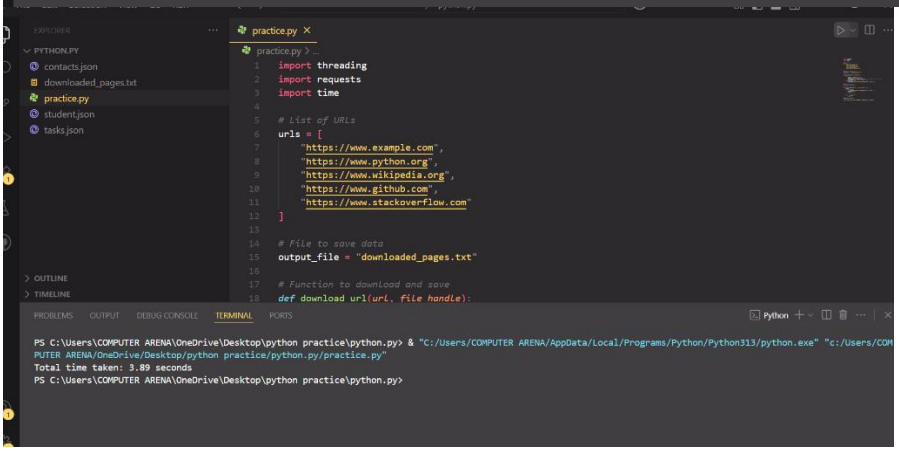
```
Downloading itsdangerous-2.2.0-py3-none-any.whl (16 kB)
Downloading werkzeug-3.1.3-py3-none-any.whl (224 kB)
Installing collected packages: werkzeug, itsdangerous, blinker, flask
Successfully installed blinker-1.9.0 flask-3.1.2 itsdangerous-2.2.0 werkzeug-3.1.3
PS C:\Users\COMPUTER ARENA\OneDrive\Desktop\python practice\python.py> python -m flask --version
>>
Python 3.13.5
Flask 3.1.2
Werkzeug 3.1.3
PS C:\Users\COMPUTER ARENA\OneDrive\Desktop\python practice\python.py>
```



```
from datetime import date

def days_until_birthday(birthday_month: int, birthday_day: int) -> int:
    today = date.today()
    current_year = today.year

    # This year's birthday
    next_birthday = date(current_year, birthday_month, birthday_day)

    # Agar birthday is saal guzar gaya hai, to next year ka le lo
    if next_birthday < today:
        next_birthday = date(current_year + 1, birthday_month, birthday_day)

    delta = next_birthday - today
    return delta.days

# Example: Suppose birthday is 15 October
month, day = 3, 22
```

```
PS C:\Users\COMPUTER ARENA\OneDrive\Desktop\python practice\python.py> & "C:/Users/COMPUTER ARENA/AppData/Local/Programs/Python/Python313/python.exe" "c:/Users/COMPUTER ARENA/OneDrive/Desktop/python practice/python.py/practice.py"
Your next birthday is in 208 days 🎉
PS C:\Users\COMPUTER ARENA\OneDrive\Desktop\python practice\python.py>
```





Reflections:

This task helped me learn how to use Python with a database. I created a table, added three users, and then fetched them to show on the screen. By doing this, I understood how data can be stored and read using simple SQL commands. It was a useful exercise because it gave me basic knowledge of database handling, which is important for building real applications.

✅ End of Report: