TECKO DATABASE

Submitted to-
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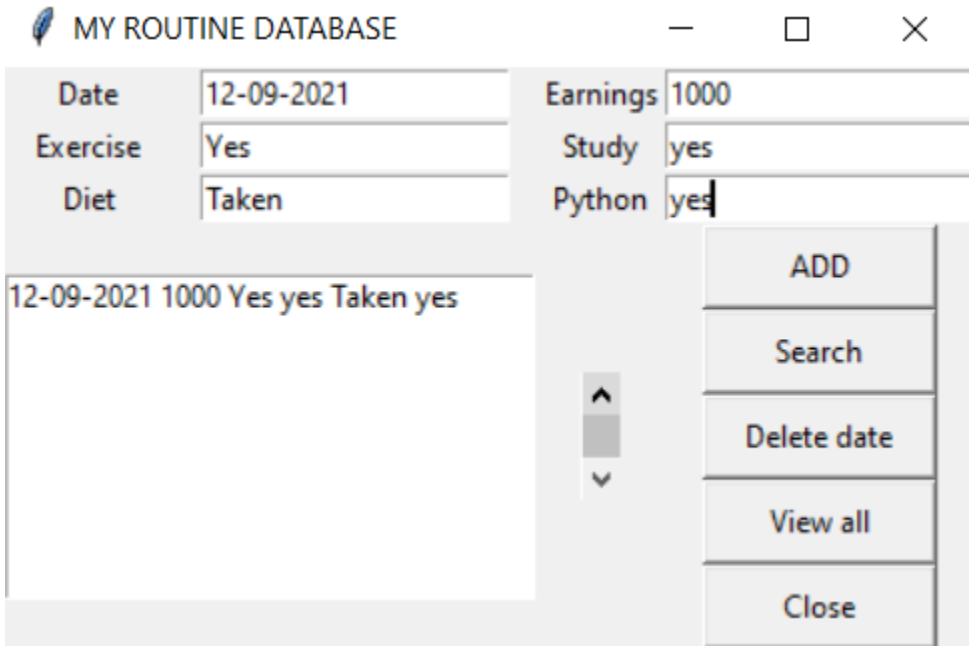
INTRODUCTION

- A database is an organized collection of structured information, or data, typically stored electronically in a computer system. A database is usually controlled by a database management system (DBMS). Together, the data and the DBMS, along with the applications that are associated with them, are referred to as a database system, often shortened to just database.

OVERVIEW OF PROJECT



TECHNOLOGY STACK USED

- Python-
  a.Tikenter

- SQLite3

LABELS,ENTRIES,LIST BOX,SCROLLBAR & BUTTONS

- Labels have including information on a entries origin.
- A list box is a graphical control element that allows the user to select one or more items from a list contained within a static, multiple line text box.
- Scrollbar is basically use for viewing all data in database.
- Buttons are used for data saving, viewing,searching & deleting.

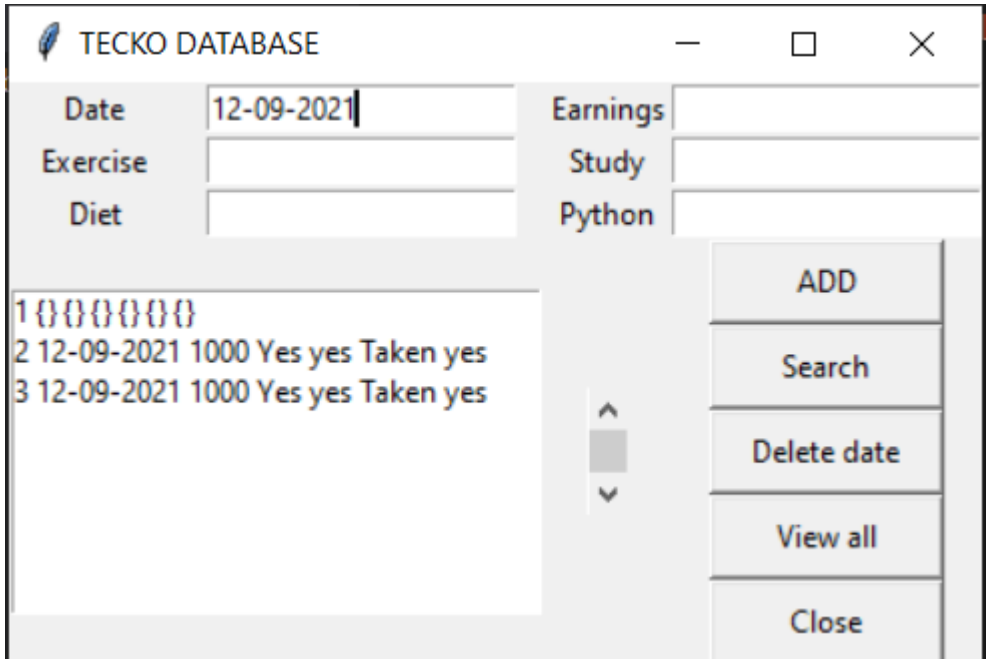
DEFINING BACKEND

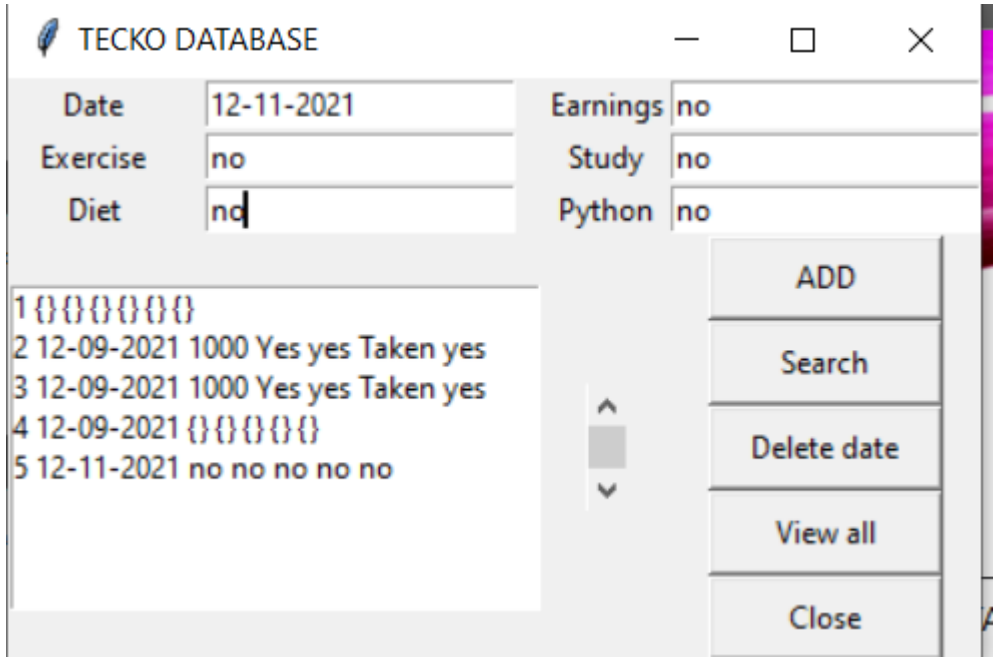
frontend.py | backend.py

backend.py > ...

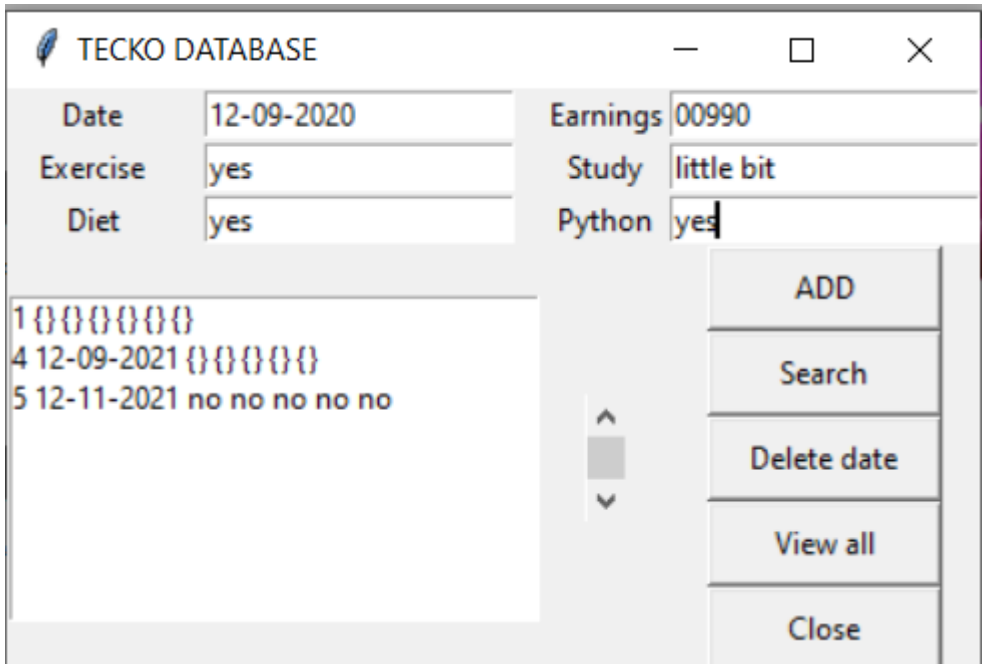
```python
import sqlite3

def connect():
    conn = sqlite3.connect('routine.db')
    cur = conn.cursor()
    cur.execute("CREATE TABLE IF NOT EXISTS routine (Id INTEGER PRIMARY KEY , date text , earnings integer , exercise text , study text ,
    conn.commit()
    conn.close()

def insert(date , earnings , exercise , study , diet , python):
    conn = sqlite3.connect('routine.db')
    cur = conn.cursor()
    cur.execute("INSERT INTO routine VALUES (NULL , ?,?,?,?,?,?)" , (date , earnings , exercise , study , diet , python))
    conn.commit()
    conn.close()

def view():
    conn = sqlite3.connect('routine.db')
    cur = conn.cursor()
    cur.execute("SELECT * FROM routine")
    rows = cur.fetchall()
    conn.commit()
    conn.close()
    return rows

def delete(id):
    conn = sqlite3.connect('routine.db')
    cur = conn.cursor()
    cur.execute("DELETE FROM routine WHERE id=? ", (id,))
    conn.commit()
    conn.close()

def search(date='' , earnings='' , exercise='' , study='' , diet='' , python=''):
    conn = sqlite3.connect('routine.db')
    cur = conn.cursor()
    cur.execute("SELECT * FROM routine WHERE date=?  OR earnings=? OR exercise=? OR study=? OR diet=? OR python=?" , (date , earnings , e
    rows = cur.fetchall()
```

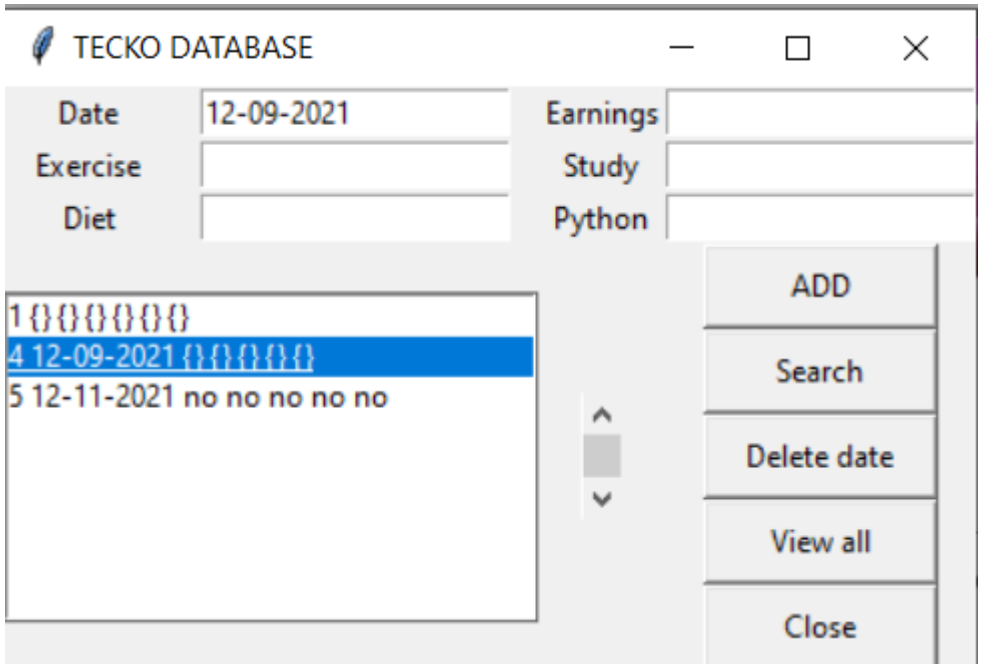
SEARCHING & VIEWING DATA





ADDING & DELETING DATA





THANK YOU