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FP Practical 11

Institute of Computer Technology
B. Tech Computer Science and Engineering

Sub: (2CSE403) FUNCTIONAL PROGRAMMING

<u>Practical 11</u>

A college wants to maintain the student records. The repository should contain student details like: student id (sid), name, contact number, status (alumni / current student). Firstly, all the details of students enrolled for a course should be inserted in the tabular form. In case if admin department notices that by mistake one entry has been wrongly made; so update w.r.t the record is required. There is a scenario wherein duplicate entries have been made and admin has to remove it. Finally, after performing above operations admin is supposed to fetch the records related to current students. Kindly perform the above operations using python script.

<u>Code :</u>

```python
import sqlite3 as sq

from pandas import DataFrame as df

from YSL_io import *


c = sq.connect('prac_11.db')

c.execute('create table if not exists stdnt(id int primary key, name text,

contact text, status text)')


s = [

    [64, 'Madhava', '0123456789', 'current'],
```

```python
    [32, 'Keshava', '1234567890', 'current'],

    [22, 'Govinda', '9876543210', 'alumni'],

    [16, 'Gopinath', '0987654321', 'current'],

    [18, 'Govinda', '9876543210', 'alumni']

]


# Inserting records

for i in s:

    c.execute(f'insert into stdnt values ({str(i[0])}, "{i[1]}", "{i[2]}",

"{i[3]}")')

    c.commit()


# Updating a record

c.execute(f'update stdnt set contact = "6432015789" where id = {s[1][0]}')

c.commit()


# Deleting a duplicate record

c.execute(f'delete from stdnt where id = {s[4][0]}')

c.commit()


# Fetching data and printing

data = c.execute('select * from stdnt')


y = df(data, columns=None)
```
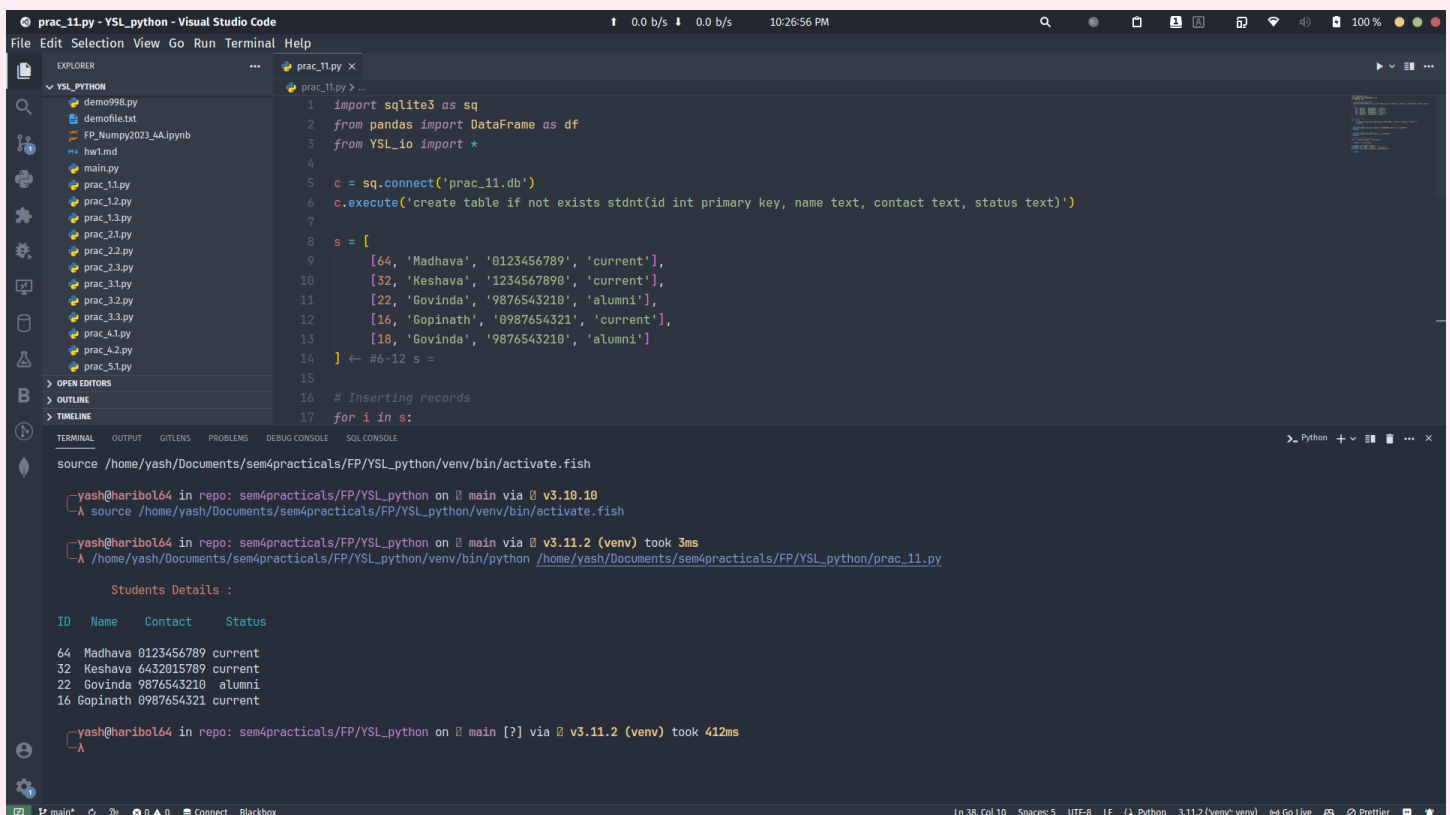
```python
printORNG('\n\tStudents Details : ')

printGRN('\nID    Name      Contact       Status\n')

print(f'{y.to_string(index=False, header=False)}')



c.close()
```

Output :