# ADMIN TABLE

| id | INT |
|---|---|
| email | VARCHAR(50) |
| password | VARCHAR(20) |
| name | VARCHAR(20) |

# STUDENT TABLE

| id | INTEGER |
|---|---|
| name | VARCHAR(20) |
| Username | VARCHAR(30) |
| Password | VARCHAR(20) |

# TEACHER TABLE

| Teacher id | INT |
|---|---|
| Name | VARCHAR(40) |
| Username | VARCHAR(10) |
| Password | DEC(2,1) |

# GRADE TABLE

| Student id | INT |
|---|---|
| Grade | CHAR(2) |
| Subject | VARCHAR(20) |

# REQUIREMENTS

Operating system :

      Windows 10/11(64-bit) with minimum 2gb RAM.

Platform:

      Visual studio code. Primary code editor.

Language used:

      PYTHON(backend)

Data base:

      DB BROWSER FOR SQLITE3(backend)

# Usage guide

Main menu has six options

1. Admin login
2. Teacher login
3. Student login
4. Register teacher
5. Register student
6. Exit

ADMIN login

1. View students
2. View teachers
3. View grade
4. Logout

TEACHER login

1. View students
2. Assign grades
3. Logout

## STUDENT login

1. View grades
2. Logout

## Register teacher

1. Name
2. Username
3. Password

## Register student

1. Name
2. Username
3. Password

```
PS C:\Users\Dell\OneDrive\Desktop\python> python -u  c:\Users\Dell\OneDrive\De
1. Admin Login
2. Teacher Login
3. Student Login
4. Register Teacher
5. Register Student
6. Exit
Enter your choice: 1

-- Admin Login --
enter admin username: admin
enter admin password:

 Admin login success

1. View Teacher
2. View Student
3.View Grades
4. Logout
Enter your choice: 1

--- Teacher List---:
 ID | Name     | Username
--------------------------
 1  | maya     | maya123
--------------------------
 2  | miss     | miss321
--------------------------
 3  | BINU     | binu123
--------------------------
```

```
1. View Teacher
2. View Student
3.View Grades
4. Logout
Enter your choice: 2

--- Student List---:
 ID | Name      | Username
---------------------------
 1  | salah     | salah123
---------------------------
 2  | ramu      | ramu123
---------------------------
 3  | monu      | monu123
---------------------------
 4  | john      | johny123
---------------------------
 5  | john      | john123
---------------------------
 6  | jacob     | jacob123
---------------------------
```

```
1. View Teacher
2. View Student
3.View Grades
4. Logout
Enter your choice: 3

--- Grades List---:
 ID | Student ID | Subject | Grade
------------------------------------
 1  | 1          | malayalam | a+
------------------------------------
 2  | 3          | maths   | B+
------------------------------------
 3  | 3          | chemistry | c
------------------------------------
 4  | 5          | biology | a
------------------------------------
 5  | 2          | python  | A
------------------------------------
1. View Teacher
2. View Student
3.View Grades
4. Logout
Enter your choice: 4
Logging out...
1. Admin Login
2. Teacher Login
3. Student Login
4. Register Teacher
5. Register Student
6. Exit
Enter your choice: 2
enter teacher username: maya123
enter teacher password:

 Teacher login success
```

```
1. View Students
2. Assign Grades
3. Logout
Enter your choice: 1

--- Student List---:
 ID | Name        | Username
--------------------------
 1  | salah       | salah123
 2  | ramu        | ramu123
 3  | monu        | monu123
 4  | john        | johny123
 5  | john        | john123
 6  | jacob       | jacob123
--------------------------
1. View Students
2. Assign Grades
3. Logout
Enter your choice: 2
Enter Student ID: 4
Enter Subject: java
Enter Grade: D

 Grade assigned successfully

1. View Students
2. Assign Grades
3. Logout
Enter your choice: 3
Logging out...
```

```
1. Admin Login
2. Teacher Login
3. Student Login
4. Register Teacher
5. Register Student
6. Exit
Enter your choice: 3
enter student username: johny123
enter student password:

 Student login success

1. View Grades
2. Logout
Enter your choice: 1

 Your Grades:
('java', 'D')
1. View Grades
2. Logout
Enter your choice: 2
Logging out...
1. Admin Login
2. Teacher Login
3. Student Login
4. Register Teacher
5. Register Student
6. Exit
Enter your choice: 4
Enter teacher name: Sony
Enter teacher username: sony123
Enter teacher password:

 Teacher registered successfully
```

```
1. Admin Login
2. Teacher Login
3. Student Login
4. Register Teacher
5. Register Student
6. Exit
Enter your choice: 5
Enter student name: Bheem
Enter student username: bh123
Enter student password:

 Student registered successfully

1. Admin Login
2. Teacher Login
3. Student Login
4. Register Teacher
5. Register Student
6. Exit
Enter your choice: 1

-- Admin Login --
enter admin username: admin
enter admin password:

 Admin login success
```

```
1. View Teacher
2. View Student
3.View Grades
4. Logout
Enter your choice: 1

--- Teacher List---:
 ID | Name      | Username
--------------------------
 1  | maya      | maya123
--------------------------
 2  | miss      | miss321
--------------------------
 3  | BINU      | binu123
--------------------------
 4  | Sony      | sony123
--------------------------
```

```
1. View Teacher
2. View Student
3.View Grades
4. Logout
Enter your choice: 2

--- Student List---:
 ID | Name      | Username
--------------------------
 1  | salah     | salah123
--------------------------
 2  | ramu      | ramu123
--------------------------
 3  | monu      | monu123
--------------------------
 4  | john      | johny123
--------------------------
 5  | john      | john123
--------------------------
 6  | jacob     | jacob123
--------------------------
 7  | Bheem     | bh123
--------------------------
```

```
1. View Teacher
2. View Student
3.View Grades
4. Logout
Enter your choice: 3

--- Grades List---:
ID | Student ID | Subject | Grade
-------------------------------------
1  | 1          | malayalam | a+
-------------------------------------
2  | 3          | maths     | B+
-------------------------------------
3  | 3          | chemistry | c
-------------------------------------
4  | 5          | biology   | a
-------------------------------------
5  | 2          | python    | A
-------------------------------------
6  | 4          | java      | D
-------------------------------------
1. View Teacher
2. View Student
3.View Grades
4. Logout
Enter your choice: 4
Logging out...
1. Admin Login
2. Teacher Login
3. Student Login
4. Register Teacher
5. Register Student
6. Exit
Enter your choice: 6
Exiting...
PS C:\Users\Dell\OneDrive\Desktop\python>
```

DB Browser for SQLite - C:\Users\Dell\OneDrive\Desktop\python\student.db

File   Edit   View   Tools   Help

New Database    Open Database    Write Changes    Revert Changes    Undo    Open Project    Save Project    Attach Database    Close Database

Database Structure    Browse Data    Edit Pragmas    Execute SQL

Create Table    Create Index    Modify Table    Delete Table    Print    Refresh

| Name | Type | Schema |
|---|---|---|
| Tables (5) | | |
| Admin | | CREATE TABLE Admin( id INTEGER PRIMARY KEY AUTOINCREMENT, username TEXT UNIQUE, password TEXT ) |
| Grades | | CREATE TABLE Grades( id INTEGER PRIMARY KEY AUTOINCREMENT, student_id INTEGER, subject TEXT, grade TEX |
| Student | | CREATE TABLE Student( id INTEGER PRIMARY KEY AUTOINCREMENT, name TEXT, username TEXT UNIQUE, passwc |
| Teacher | | CREATE TABLE Teacher( id INTEGER PRIMARY KEY AUTOINCREMENT, name TEXT, username TEXT UNIQUE, passwc |
| sqlite_sequence | | CREATE TABLE sqlite_sequence(name,seq) |
| Indices (0) | | |
| Views (0) | | |
| Triggers (0) | | |

Table: Admin

| id | username | password |
|---|---|---|
| Fil... | Filter | Filter |
| 1 | admin | admin123 |

Table: Grades

| id | student_id | subject | grade |
|----|-----------|---------|-------|
| Fil... | Filter | Filter | Filter |
| 1 | 1 | malayalam | a+ |
| 2 | 3 | maths | B+ |
| 3 | 3 | chemistry | c |
| 4 | 5 | biology | a |
| 5 | 2 | python | A |
| 6 | 4 | java | D |

Table: Student

| id | name | username | password |
|----|------|----------|----------|
| Fil... | Filter | Filter | Filter |
| 1 | 1 | salah | salah123 | dsss |
| 2 | 2 | ramu | ramu123 | 0000 |
| 3 | 3 | monu | monu123 | 0000 |
| 4 | 4 | john | johny123 | 0000 |
| 5 | 5 | john | john123 | 0000 |
| 6 | 6 | jacob | jacob123 | 0000 |
| 7 | 7 | Bheem | bh123 | 0000 |

Table: Teacher

| id | name | username | password |
|----|------|----------|----------|
| Fil... | Filter | Filter | Filter |
| 1 | 1 | maya | maya123 | 0000 |
| 2 | 2 | miss | miss321 | 9090 |
| 3 | 3 | BINU | binu123 | 0000 |
| 4 | 4 | Sony | sony123 | 0000 |