Language used

Python

Approach

Import all the required modules - **SQLITE3**

Create classes - Student, Course

Created necessary functions for student - Register, View Courses, Apply for a

course

Created necessary functions for Admin - Add new course , View Students , View

Courses

Created driver function to run the apllication

Source code

SMS.py

outputs:

Registering as a student:

```
(base) P5 D:\codes\web_development\case_study_3> d:; cd "d:\codes\web_development\case_study_3"; & "C:\Users\Vatsal\anaconda3\python.exe" 'c:\Users\Vatsal\anaconda3\python.exe" 'c:\Users\Vatsal\anaconda3\python.ex
```

Viewing Courses as Student:

```
Tell us who you are:
1.Student
2.Admin

Enter your choice:1
Welcome Student
Choose what to do

1.Register
2.View courses
3.Apply for course
2
(1, 'physics', 120, 1000)
(2, 'chemistry', 120, 1000)
(base) PS D:\codes\web_development\case_study_3>
```

Applying for a new course:

```
PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL

2021.8.11058588991\pythonFiles\lib\python\debugpy\launcher' '55377' '--' 'd:\codes\web_development\case_study_3\sms.py'
Welcome to SMS (Student Managment System)

Tell us who you are:
1.5tudent
2.Admin

Enter your choice:1
Welcome Student
Choose what to do

1.Register
2.View courses
3.Apply for course
3
3.Apply for course
3
Enter your roll:
1
Enter the new course ID:
1
Successfully updated the course
(base) PS D:\codes\web_development\case_study_3>

...' 'd:\codes\web_development\case_study_3>

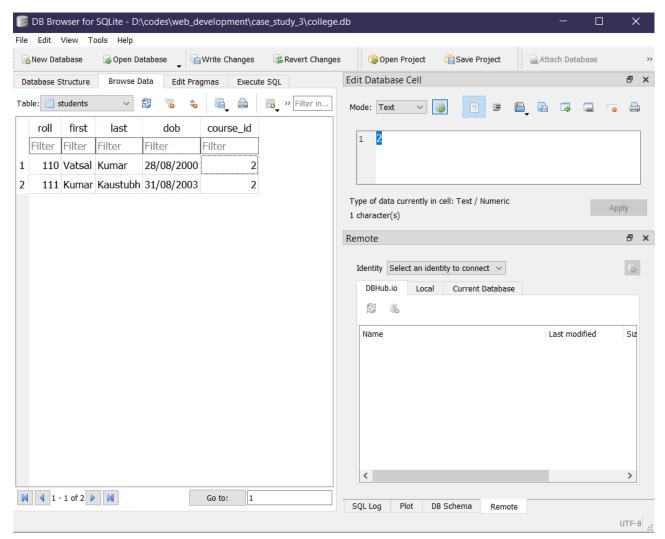
...' 'd:\codes\web_development\case_study_3>

...' 'd:\codes\web_development\case_study_3>

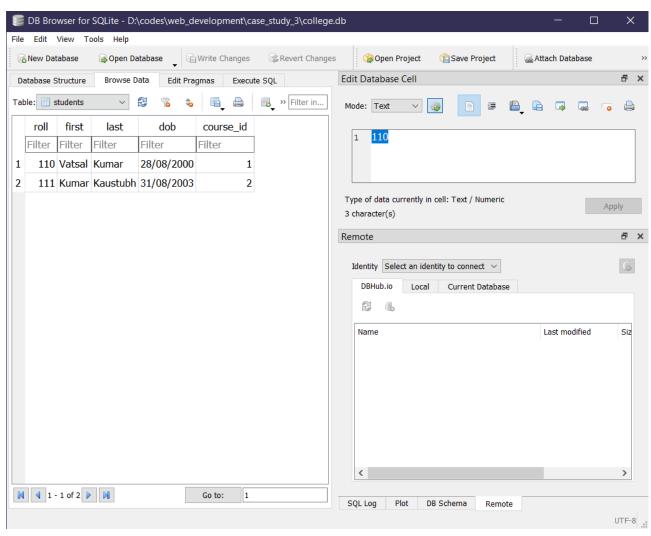
...' 'd:\codes\web_development\case_study_3>

...' 'd:\codes\web_development\case_study_3>
```

Results before Updation:



Changes after Updation:



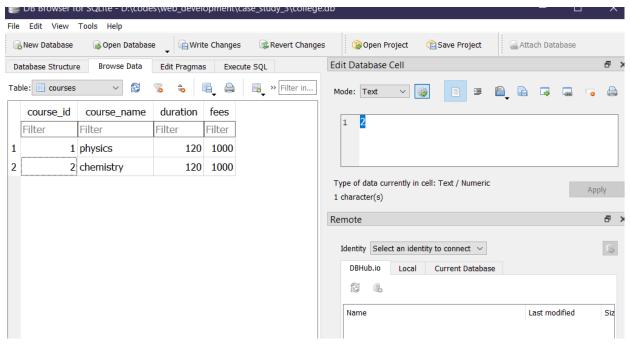
Admin adds a Course:

```
2021.8.1105858891\pythonFiles\lib\python\debugpy\launcher' '55751' '--' 'd:\codes\web_development\case_study_3\sms.py'
Welcome to SMS (Student Managment System)

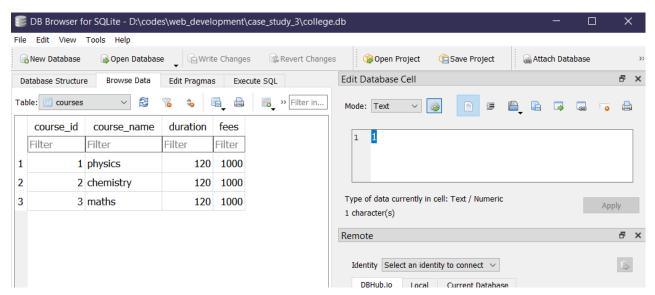
Tell us who you are :
1.5tudent
2.Admin

Enter your choice :2
Welcome Admin
tell us what to do
1.Add a new course to the list
2.View all students table
3.view all Courses table
tell us your choice Admin
1
Enter the Course ID :
3
Enter the Course name :
maths
Enter the course duration :
120
Enter the fees for the course :
1800
Successfully added course
(base) PS D:\codes\web_development\case_study_3>
```

Before changes in courses table :



After changes in Courses table :



Admin views Courses Table:

```
2021.8.1105858891\pythonFiles\lib\python\debugpy\launcher' '49546' '--' 'd:\codes\web_development\case_study_3\sms.py'
Welcome to SMS (Student Managment System)

Tell us who you are :
1.5tudent
2.Admin

Enter your choice :2
Welcome Admin
tell us what to do
1.Add a new course to the list
2.View all students table
3.view all Courses table
tell us your choice Admin
3
(1, 'physics', 120, 1000)
(2, 'chemistry', 120, 1000)
(3, 'masths', 120, 1000)
(3, 'masths', 120, 1000)
(base) PS D:\codes\web_development\case_study_3>
```

Admin views Student table:

```
2021.8.1105858891\pythonFiles\lib\python\debugpy\launcher' '50738' '--' 'd:\codes\web_development\case_study_3\sms.py'
Welcome to SMS (Student Managment System)

Tell us who you are :
1.Student
2.Admin

Enter your choice :2
Welcome Admin
tell us what to do
1.Add a new course to the list
2.View all students table
3.view all tourses table
tell us your choice Admin
2
(110, 'Vatsal', 'Kumar', '28/08/2000', 1)
(111, 'Kumar', 'Kaustubh', '31/08/2003', 2)
(base) PS D:\codes\web_development\case_study_3>
```

Github link:

https://github.com/captain7oxic/Student-Management-system-python