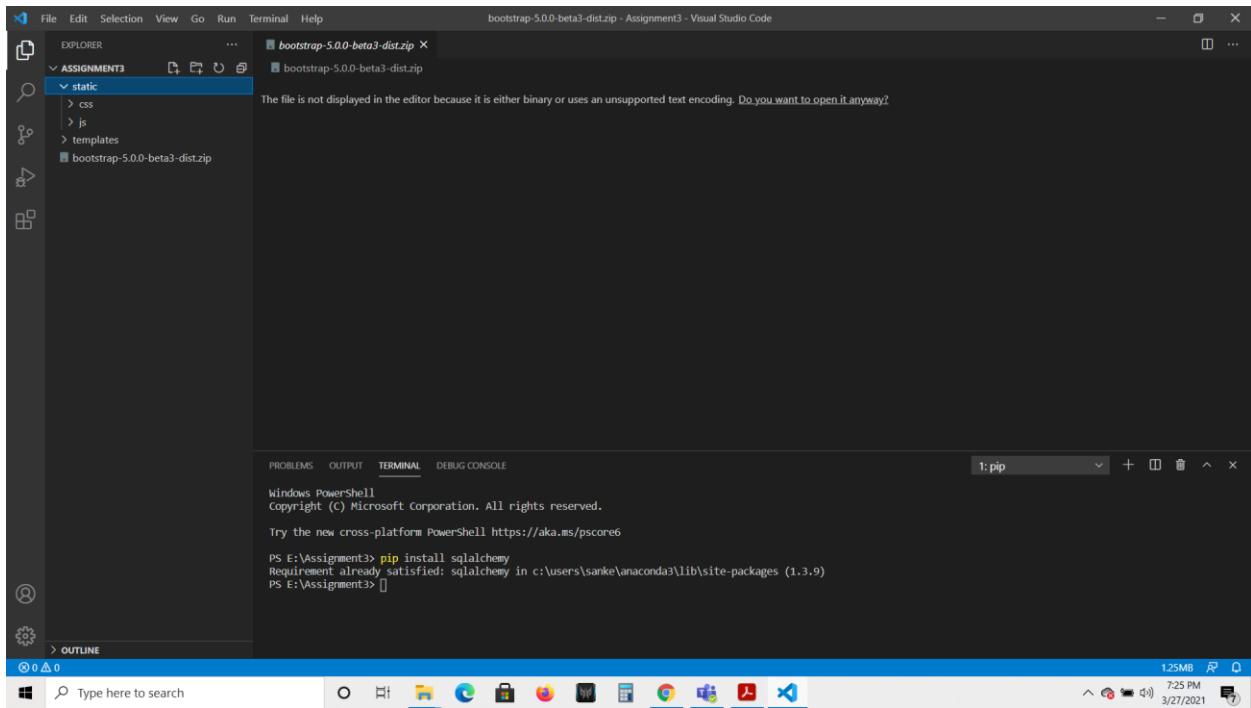


Assignment 3: Flask (Individual assignment)

Python App to create, read, update and remove student details

App link: <https://crud-app-students.herokuapp.com/>

Creating HTML templates (building on top of bootstrap):



File Edit Selection View Go Run Terminal Help bootstrap-5.0.0-beta3-dist.zip - Assignment3 - Visual Studio Code

EXPLORER ASSIGNMENTS ... bootstrap-5.0.0-beta3-dist.zip x bootstrap-5.0.0-beta3-dist.zip

The file is not displayed in the editor because it is either binary or uses an unsupported text encoding. [Do you want to open it anyway?](#)

static > css > js templates bootstrap-5.0.0-beta3-dist.zip

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE t: pip + ⌂ ⌂ ⌂ ⌂ ⌂ ⌂ ⌂

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS E:\Assignment3> pip install sqlalchemy
Requirement already satisfied: sqlalchemy in c:\users\sanke\anaconda3\lib\site-packages (1.3.9)
PS E:\Assignment3> [REDACTED]

OUTLINE Type here to search 1:25MB 7:25 PM 3/27/2021

File Edit Selection View Go Run Terminal Help base.html - Assignment3 - Visual Studio Code

EXPLORER ASSIGNMENTS ... base.html x

base.html templates > base.html ...

```

1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" integrity="sha384-Vkoo8xCGsO3R7HQSSlkfQ1YyKcV1BhQSqzlVpIaCqkx+gF1PjQlZJ3P2E50eJ1yYF"/>
5     <meta charset="UTF-8">
6     <title>{% block title %} {% endblock %}</title>
7   </head>
8   <body>
9     {% block body %} {% endblock %}
10    </body>
11  </html>
12
13
14
15
16 <script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-J6qa489bE2apoT4hnyKh5vZF5sPo01Ejw8VKU7imGFAV0wwj1yYF"/>
17 <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js" integrity="sha384-Q6E9R8hB1zYfZJ3oefI2+2mJhEwWldlvI9TOY5"/>
18 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js" integrity="sha384-wfSDF2E50Y2D1uddj003uMB7nju041h7Y"/>
19
20  </body>
21  </html>
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE t: pip + ⌂ ⌂ ⌂ ⌂ ⌂ ⌂ ⌂

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS E:\Assignment3> pip install sqlalchemy
Requirement already satisfied: sqlalchemy in c:\users\sanke\anaconda3\lib\site-packages (1.3.9)
PS E:\Assignment3> [REDACTED]

OUTLINE Type here to search 1:25MB 7:32 PM 3/27/2021

The image shows two instances of Visual Studio Code side-by-side, both displaying code files for a Python Flask application.

Top Window (header.html - Assignment3 - Visual Studio Code):

- EXPLORER:** Shows the project structure with **ASSIGNMENTS**, **static**, **templates** (containing **base.html**, **header.html**, **index.html**), and **bootstrap-5.0.0-beta3-dist.zip**.
- header.html:** The code defines a template that extends 'base.html' and includes 'header.html'. It contains a jumbotron with a centered title: "Python Flask CRUD Web Application Development".
- TERMINAL:** Shows a Windows PowerShell session where `pip install sqlalchemy` is run, resulting in the requirement being already satisfied.

Bottom Window (index.html - Assignment3 - Visual Studio Code):

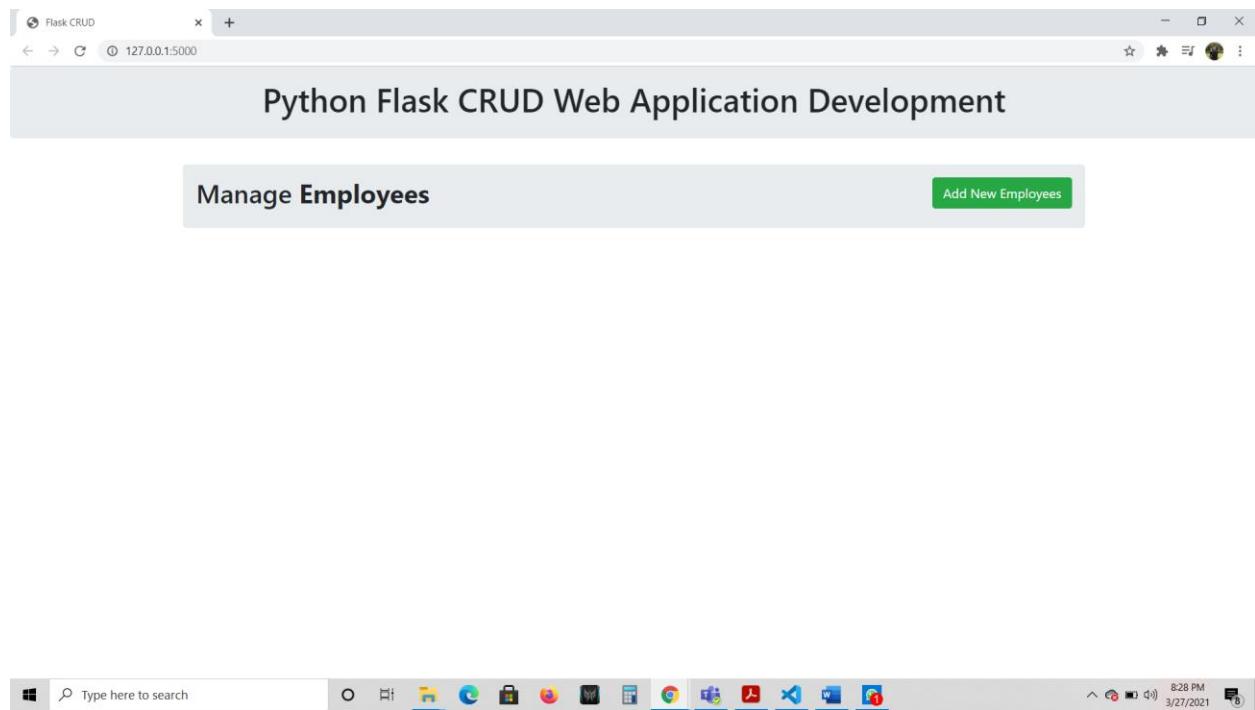
- EXPLORER:** Shows the project structure with **ASSIGNMENTS**, **static**, **templates** (containing **base.html**, **header.html**, **index.html**), and **bootstrap-5.0.0-beta3-dist.zip**.
- index.html:** The code defines a template that extends 'base.html' and includes 'header.html'. It contains a container row with a single column for the main content, which includes a jumbotron with a manage employees link and a button to add new employees.
- TERMINAL:** Shows a Windows PowerShell session where `pip install sqlalchemy` is run, resulting in the requirement being already satisfied.

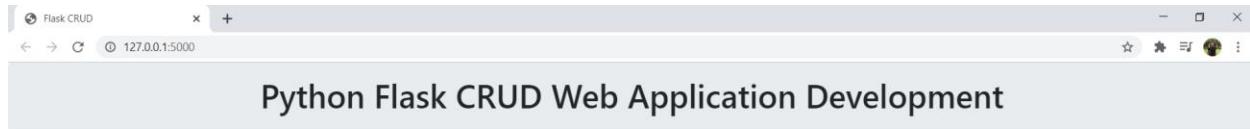
The screenshot shows the Visual Studio Code interface with the following details:

- EXPLORER:** Shows a project structure for "ASSIGNMENT3" containing "static", "templates" (with "base.html" and "index.html"), and "App.py".
- CODE EDITOR:** Displays the content of "base.html". The code includes Bootstrap CSS imports and a script tag for jQuery.
- TERMINAL:** Shows the command line output of running the application with Python 3.7.4. It includes a warning about using a development server in production and logs the application's start at port 5000.
- BROWSER:** A Microsoft Edge window displays the application's home page titled "Python Flask CRUD Web Application Development".

From Template Inheritance



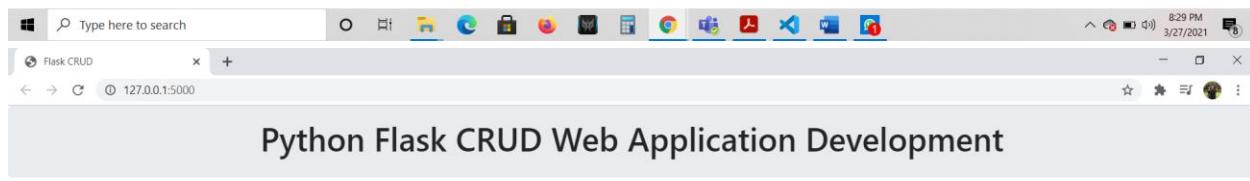




Manage Employees

ID	Name	Email	Phone	Action
01	Sanket	abc@xyz.com	987654321	Edit

Add New Employees



Manage Employees

ID	Name	Email	Phone	Action
01	Sanket	abc@xyz.com	987654321	Edit

Add New Employees

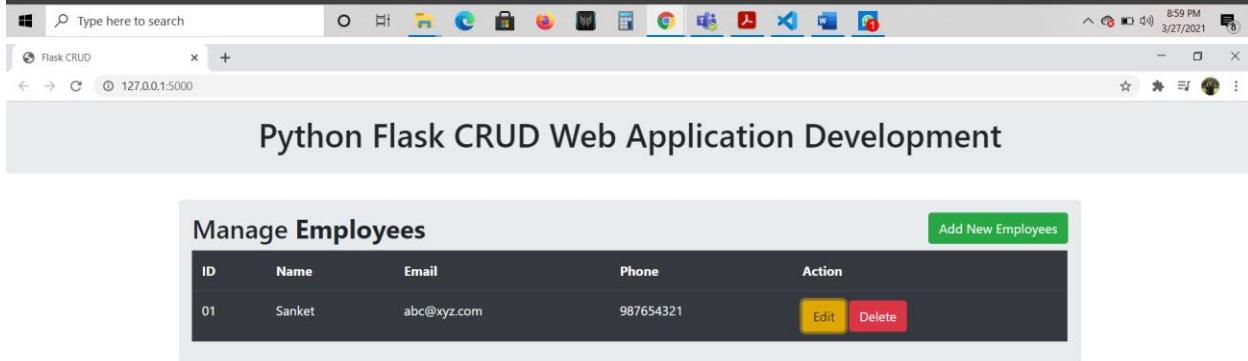
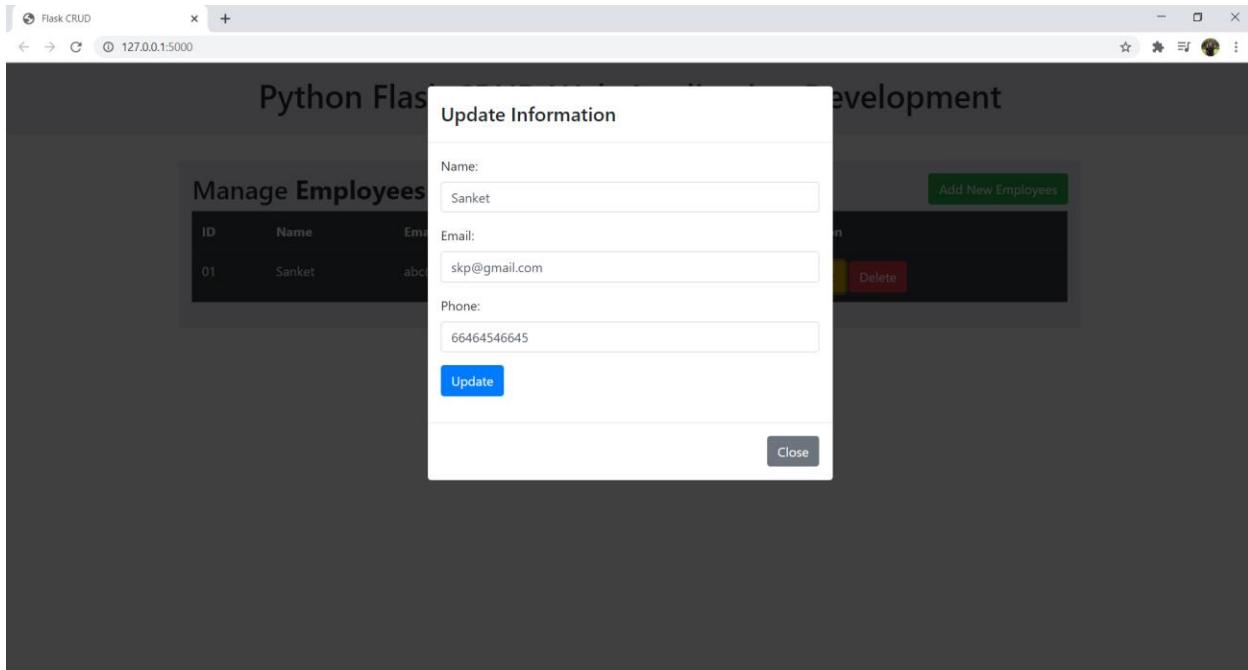


The screenshot shows a web browser window titled "Python Flask CRUD Web Application Development". The main content area is titled "Manage Employees". It displays a table with one row of data:

ID	Name	Email	Phone	Action
01	Sanket	abc@xyz.com	987654321	<button>Edit</button> <button>Delete</button>

A green button labeled "Add New Employees" is located in the top right corner of the table area.

The screenshot shows the same web browser window, but now a modal dialog box is open over the "Manage Employees" page. The dialog is titled "Add Employee" and contains three input fields: "Name:", "Email:", and "Phone:". Below the fields is a blue "Add Employee" button, and at the bottom right is a "Close" button.



Flask App:

First I have created employee mvp to atleast run app sucessfully and later I will change it for students.

File Edit Selection View Go Run Terminal Help

App.py - Assignment3 - Visual Studio Code

OPEN EDITORS

- X App.py
- ASSIGNMENT3
- > _pycache_
- > static
- > templates
- App.py
- bootstrap-5.0.0-beta3-dist.zip

App.py

```
from flask import Flask, render_template
from flask_sqlalchemy import SQLAlchemy

app = Flask(__name__)
app.secret_key = ""

#SqlAlchemy Database Configuration With Mysql
app.config['SQLALCHEMY_DATABASE_URI'] = 'mysql://root:''@localhost/crud'
app.config['SQLALCHEMY_TRACK_MODIFICATIONS'] = False

db = SQLAlchemy(app)
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

PS C:\Assignment3> python

```
Python 3.7.4 (default, Aug  9 2019, 18:34:13) [MSC v.1915 64 bit (AMD64)] :: Anaconda, Inc. on win32
```

Warning:
This Python interpreter is in a conda environment, but the environment has
not been activated. Libraries may fail to load. To activate this environment
please see https://conda.io/activation

Type "help", "copyright", "credits" or "license" for more information.

```
>>> from APP import db
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
ModuleNotFoundError: No module named 'APP'
>>> from App import db
>>> db.create_all()
>>> 
```

OUTLINE

Python 3.7.9 64-bit (aiida-1.10.0: conda) 0 0 0

Type here to search

localhost / 127.0.0.1 / crud / data

localhost/phpmyadmin/index.php?route=/sql&server=1&db=crud&table=data&pos=0

phpMyAdmin

Server: 127.0.0.1 > Database: crud > Table: data

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0018 seconds.)

SELECT * FROM `data`

Profiling | Edit inline | Explain SQL | Create PHP code | Refresh

ID	Name	Email	Phone

Query results operations

Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Console

Type here to search

1054 PM 3/27/2021

The screenshot shows the Visual Studio Code interface with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** App.py - Assignment3 - Visual Studio Code.
- Explorer:** Shows 1 UNSAVED file named App.py under the ASSIGNMENTS folder.
- Code Editor:** Displays Python code for a web application. The code includes routes for the root and an insert endpoint, and logic for handling POST requests to insert data into a database.
- Terminal:** Shows a Python session starting with `>>> from App import db` and `>>> db.create_all()`.
- Status Bar:** Python 3.7.9 64-bit (aiida-1.10.0: conda) 0 0 0 1103 PM 3/27/2021

As we can see there is no data currently

The screenshot shows the phpMyAdmin interface connected to a MySQL server. The left sidebar shows the database structure with a 'crud' schema containing a 'data' table. The main area displays the following information:

- Query Result:** MySQL returned an empty result set (i.e. zero rows). (Query took 0.0016 seconds.)
- SQL Query:** `SELECT * FROM `data`
- Table Structure:** Shows columns: id, name, email, phone.
- Operations:** Buttons for Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, Tracking, Triggers.
- Bookmark Options:** Fields for Label and Let every user access this bookmark.

The screenshot shows a Windows desktop environment with three windows open:

- Flask CRUD Application:** A web page titled "Python Flask Development" with a modal dialog titled "Add Employee". The form fields are Name (Sanket), Email (skp123@gmail.com), and Phone (34687462). A "Add Employee" button is at the bottom right of the modal.
- MySQL Database:** A screenshot of the phpMyAdmin interface showing the "data" table. The table has columns: id, name, email, and phone. One row is visible with id 4, name Sanket, email skp123@gmail.com, and phone 34687462.

adding more

The screenshot displays two windows side-by-side, both titled "localhost / 127.0.0.1 / crud / data".

Top Window (Flask Application):

- Title Bar:** Python Flask Development
- Content:** "Manage Employees" table with columns ID, Name, Email, and Phone.
- Modal Dialog:** "Add Employee" form with fields Name (Sikder), Email (skdr@xyz.com), and Phone (236786868). A "Add Employee" button is at the bottom right of the modal.
- Buttons:** "Add New Employees" (green) and "Delete" (red).

Bottom Window (phpMyAdmin):

- Title Bar:** localhost/phpmyadmin/index.php?route=/sql&db=crud&table=data&pos=0
- Content:** "Showing rows 0 - 1 (2 total). Query took 0.0014 seconds." table.
- Table Data:**

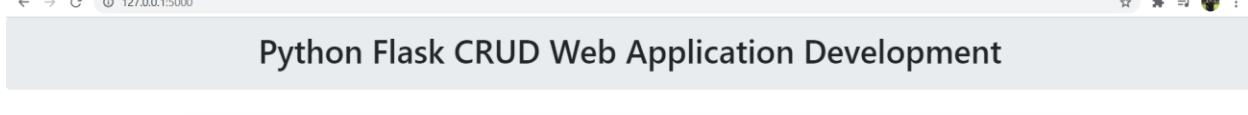
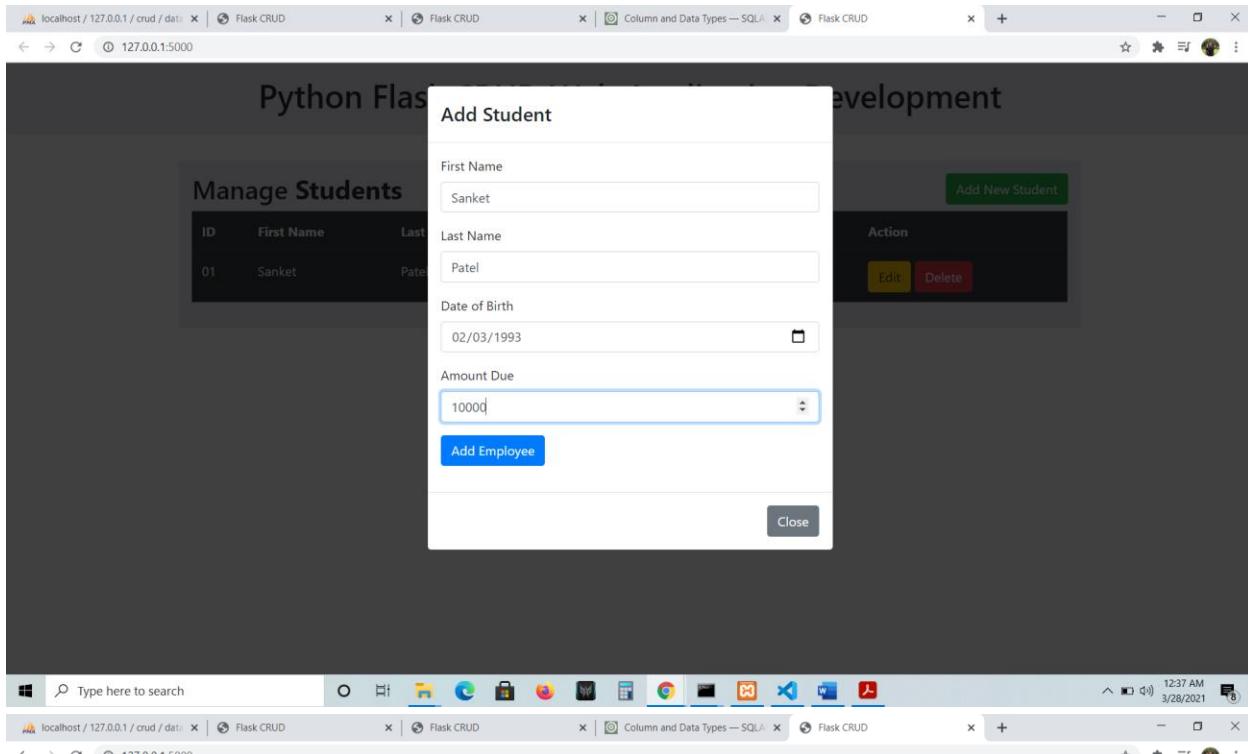
		id	name	email	phone
		4	Sanket	skp123@gmail.com	34687462
		5	Sikder	skdr@xyz.com	236786868

As we can see, the entry is getting added

The screenshot shows a web browser window titled "Python Flask CRUD Web Application Development". The main content area is titled "Manage Employees". A green success message box displays "Employee Inserted Successfully". Below it is a table with columns: ID, Name, Email, Phone, and Action. The table contains one row with ID 01, Name Sanket, Email abc@xyz.com, and Phone 987654321. The Action column for this row contains two buttons: "Edit" (yellow) and "Delete" (red). In the top right corner of the main content area, there is a green button labeled "Add New Employees".



Since we have built basic webapp, we can change Employees to students. And change column names



READ Retrieval:

The screenshot shows a web browser window with four tabs open. The active tab is titled "Python Flask CRUD Web Application Development". The page content is titled "Manage Students" and displays a table with two rows of student data. The columns are labeled: ID, First Name, Last Name, Date of Birth, Amount Due, and Action. Each row contains an "Edit" button and a "Delete" button.

ID	First Name	Last Name	Date of Birth	Amount Due	Action
1	Sanket	Patel	23/11/1993	10000	<button>Edit</button> <button>Delete</button>
2	Sanket	Patel	23/11/1993	10000	<button>Edit</button> <button>Delete</button>

The screenshot shows the Visual Studio Code interface with the file "index.html" open. The code is an HTML template for displaying a list of students. It includes a table with columns for student ID, first name, last name, date of birth, amount due, and actions. The "Action" column contains links for editing and deleting students.

```
<th>Amount Due</th>
<th>Actions</th>
<% for row in students %>
<tr>
<td>{{row.student_id}}</td>
<td>Sanket</td>
<td>Patel</td>
<td>23/11/1993</td>
<td>10000</td>
<td>
<a href="#" class="btn btn-warning btn-xs" data-toggle="modal" data-target="#modalEdit">Edit</a>
<a href="#" class="btn btn-danger btn-xs" onclick="return confirm('Are you sure To Delete?')">Delete</a>
</td>
</tr>
```

localhost / 127.0.0.1 / crud / data | Flask CRUD | Column and Data Types — SQLA | Flask CRUD | +

localhost / phpmyadmin/index.php?route=/sql&db=crud&table=data&pos=0 | phpMyAdmin | - | * | :

localhost / 127.0.0.1 / crud / data | Flask CRUD | Column and Data Types — SQLA | Flask CRUD | +

localhost / 127.0.0.1:5000 | 127.0.0.1:5000 | 1:10 AM 3/28/2021

Python Flask CRUD Web Application Development

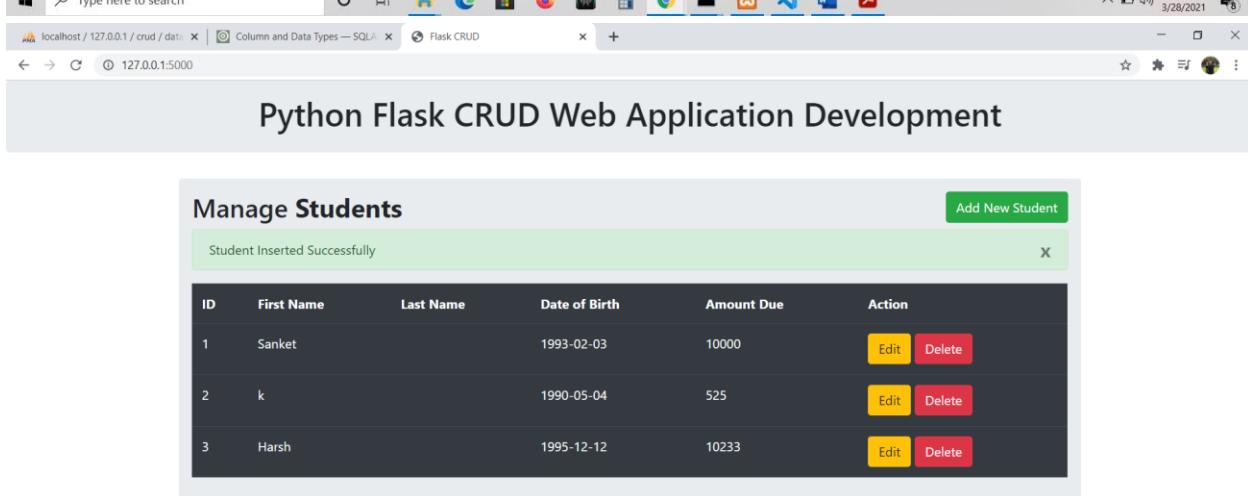
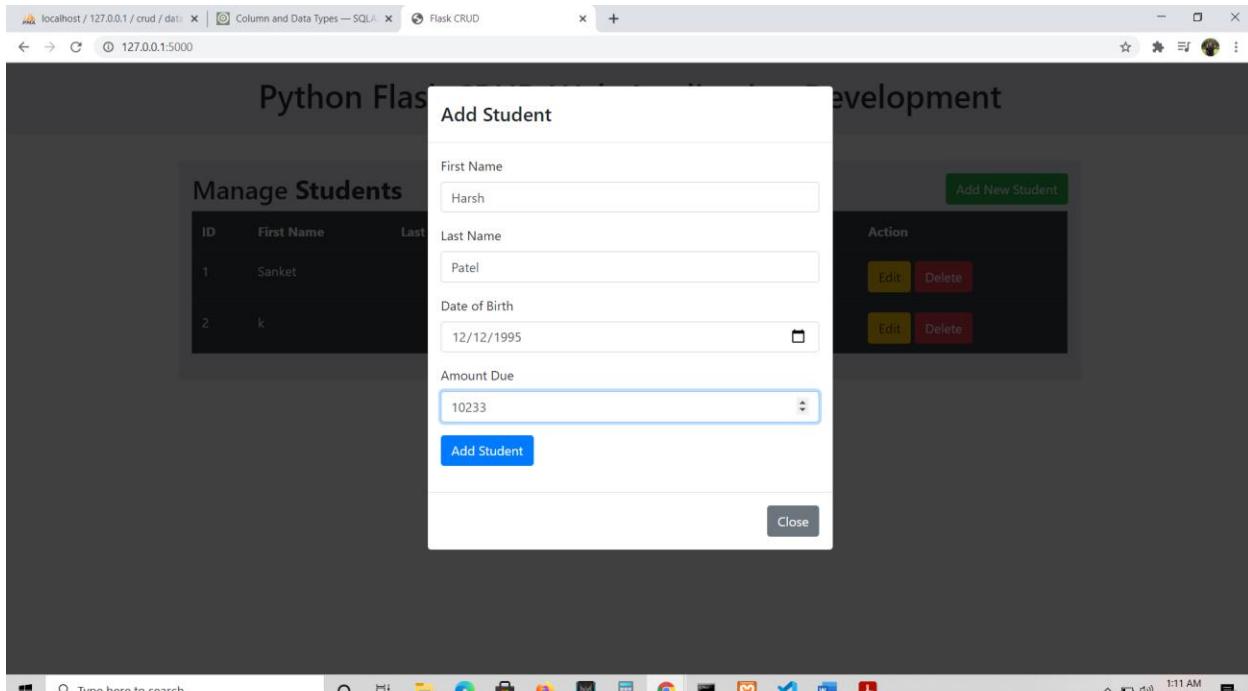
Manage Students

ID	First Name	Last Name	Date of Birth	Amount Due	Action
1	Sanket		1993-02-03	10000	<button>Edit</button> <button>Delete</button>
2	k		1990-05-04	525	<button>Edit</button> <button>Delete</button>

Add New Student

Type here to search | 127.0.0.1:5000 | 1:09 AM 3/28/2021

Let's try adding a new student



We can see that new student is now added

The screenshot shows the Visual Studio Code interface with the file `index.html` open. The code contains a modal dialog structure. A syntax error is highlighted at line 69:

```
<td>{{row.student_id}}</td>
<td>{{row.first_name}}</td>
<td>{{row.last_name}}</td>
<td>{{row.dob}}</td>
<td>{{row.amount_due}}</td>
<td>Follow link (ctrl + click)
  <a href="/update/{{row.student_id}}" class="btn btn-warning btn-xs" data-toggle="modal" data-target="#editModal">Edit</a>
  <a href="#" class="btn btn-danger btn-xs" onclick="return confirm('Are you sure To Delete?')">Delete</a>
</td>
```

The terminal window shows the following error message:

```
SyntaxError: invalid syntax
>>> from App import db
>>> db.create_all()
>>> 
```

At the bottom, the status bar indicates the file is 13 lines long and has 0 errors.

The screenshot shows the Visual Studio Code interface with the file `index.html` open. The code contains a modal dialog structure. A syntax error is highlighted at line 69:

```
<td>{{row.student_id}}</td>
<td>{{row.first_name}}</td>
<td>{{row.last_name}}</td>
<td>{{row.dob}}</td>
<td>{{row.amount_due}}</td>
<td>Follow link (ctrl + click)
  <a href="/update/{{row.student_id}}" class="btn btn-warning btn-xs" data-toggle="modal" data-target="#editModal">Edit</a>
  <a href="#" class="btn btn-danger btn-xs" onclick="return confirm('Are you sure To Delete?')">Delete</a>
</td>
```

The terminal window shows the following error message:

```
SyntaxError: invalid syntax
>>> from App import db
>>> db.create_all()
>>> 
```

At the bottom, the status bar indicates the file is 13 lines long and has 0 errors.

The screenshot shows the Visual Studio Code interface with the file `index.html` open. The code contains a modal dialog structure. A syntax error is highlighted at line 69:

```
<td>{{row.student_id}}</td>
<td>{{row.first_name}}</td>
<td>{{row.last_name}}</td>
<td>{{row.dob}}</td>
<td>{{row.amount_due}}</td>
<td>Follow link (ctrl + click)
  <a href="/update/{{row.student_id}}" class="btn btn-warning btn-xs" data-toggle="modal" data-target="#editModal">Edit</a>
  <a href="#" class="btn btn-danger btn-xs" onclick="return confirm('Are you sure To Delete?')">Delete</a>
</td>
```

The terminal window shows the following error message:

```
SyntaxError: invalid syntax
>>> from App import db
>>> db.create_all()
>>> 
```

At the bottom, the status bar indicates the file is 13 lines long and has 0 errors.

The screenshot shows a web browser window with the title "Python Flask CRUD Web Application Development". The main content is a table titled "Manage Students" with the following data:

ID	First Name	Last Name	Date of Birth	Amount Due	Action
1	Sanket		1993-02-03	10000	<button>Edit</button> <button>Delete</button>
2	k		1990-05-04	525	<button>Edit</button> <button>Delete</button>
3	Harsh		1995-12-12	10233	<button>Edit</button> <button>Delete</button>

A green button labeled "Add New Student" is located at the top right of the table.

The screenshot shows a MySQL Workbench interface with a table named "student". The data is as follows:

student_id	first_name	last_email
1	Sanket	NULL
2	k	NULL
3	Harsh	NULL

The "last_email" column is explicitly shown as NULL, indicating that the last name is not stored in the database.

Let's debug

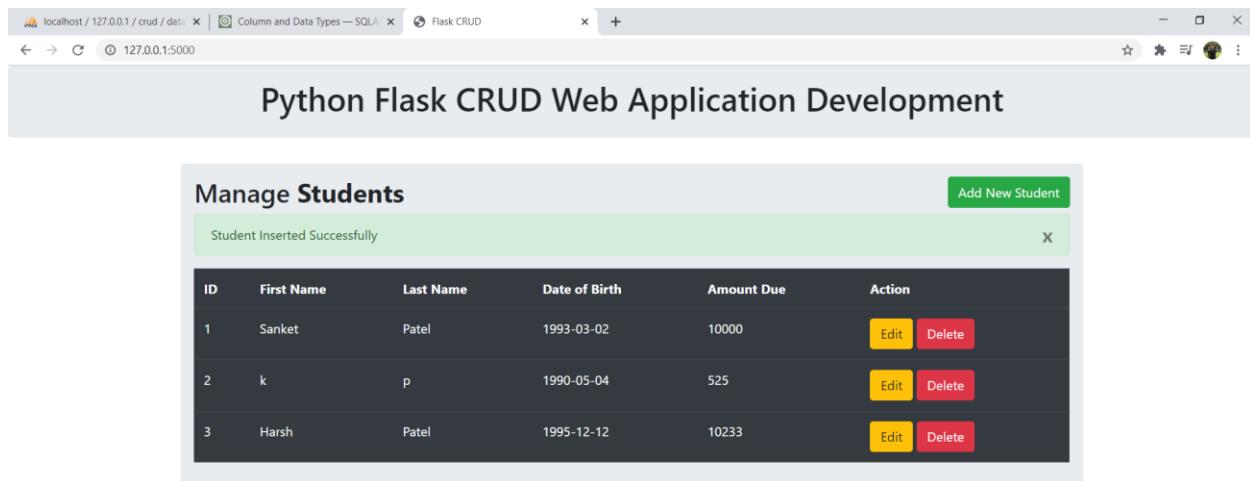
The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a tree view of files and folders. The current file is `App.py`, which has 9+ changes.
- Editor:** Displays Python code for a database model and configuration. The code defines a `Data` class with attributes: `student_id`, `first_name`, `last_email`, `dob`, and `amount_due`. It also includes an `__init__` method to initialize these attributes.
- Terminal:** Shows output from a Python environment:

```
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
* Restarting with windowsapi reloader
* Debugger is active!
* Debugger PIN: 298-725-243
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```
- Status Bar:** Shows the Python version (`Python 3.7.4 64-bit ('base': conda)`), line and column information (`Ln 19, Col 15 (10 selected)`), and various file formats (`Spaces: 4`, `UTF-8`, `CRLF`, `Python`).

here's the bug

Let's fix it



Update:

We are able to read now

The screenshot shows the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar indicates "App.py - Assignment3 - Visual Studio Code". The Explorer sidebar shows a project structure with "OPEN EDITORS 1 UNSAVED" and a folder named "ASSIGNMENT3" containing files like __pycache__, static, templates, and index.html. The main editor area displays Python code for an application. The code includes routes for creating and updating student data, using the Flask framework and SQLAlchemy database. A terminal window at the bottom shows a Python session where a syntax error occurs when trying to import db from App.

```
53 flash("Student Inserted Successfully")
54
55
56 return redirect(url_for('Index'))
57
58
59 #this is our update route where we are going to update our employee
60 @app.route('/update', methods = ['GET', 'POST'])
61 def update():
62
63     if request.method == 'POST':
64         my_data = Data.query.get(request.form.get('id'))
65
66         my_data.first_name = request.form['first_name']
67         my_data.last_name = request.form['last_name']
68         my_data.dob = request.form['dob']
69         my_data.amount_due = request.form['amount_due']
70
71         db.session.commit()
72         flash("Employee Updated Successfully")
73
74     return redirect(url_for('Index'))
75
```

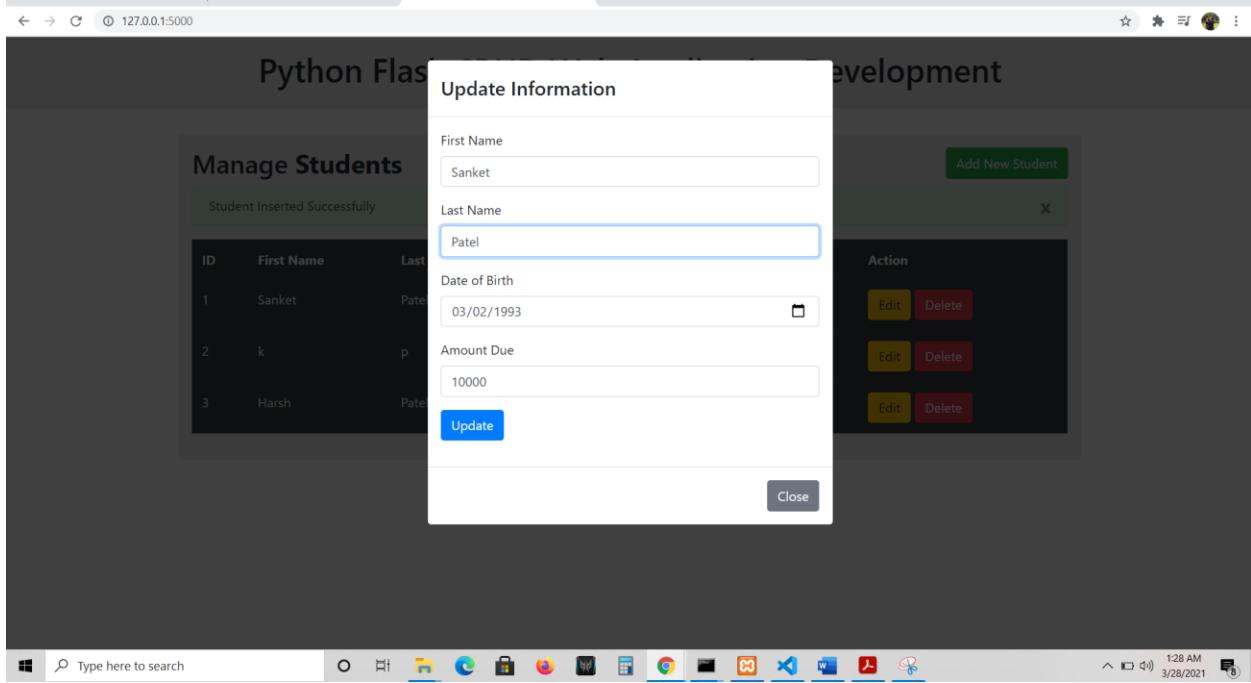
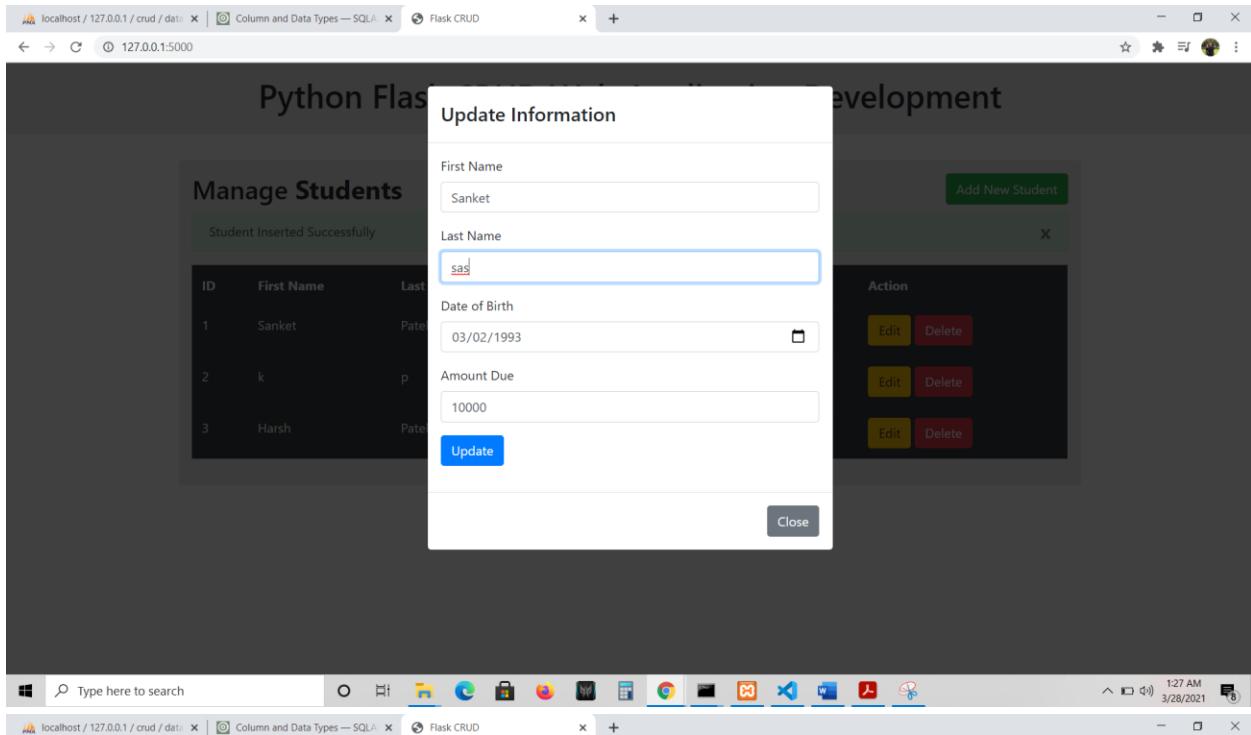
PROBLEMS 13 OUTPUT TERMINAL DEBUG CONSOLE

```
^
SyntaxError: invalid syntax
>>> from App import db
>>> db.create_all()
>>> [
```

Ln 60, Col 1 (375 selected) Spaces: 4 UTF-8 CRLF Python 2: python

Type here to search

We can edit student details now



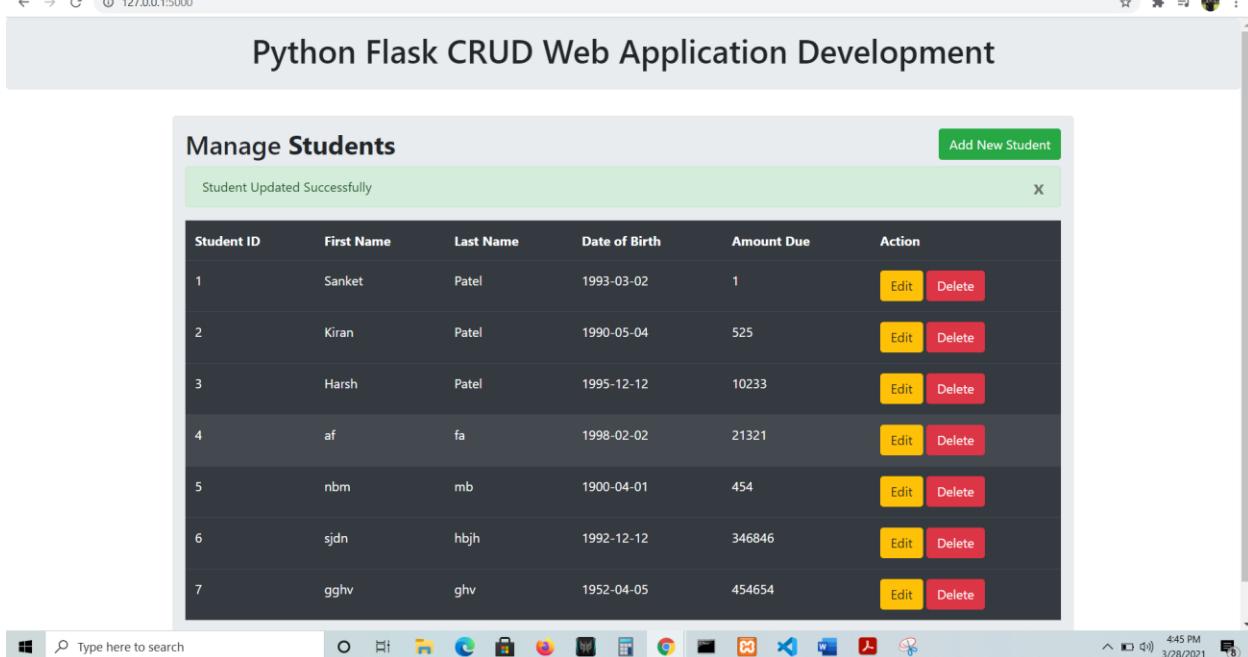
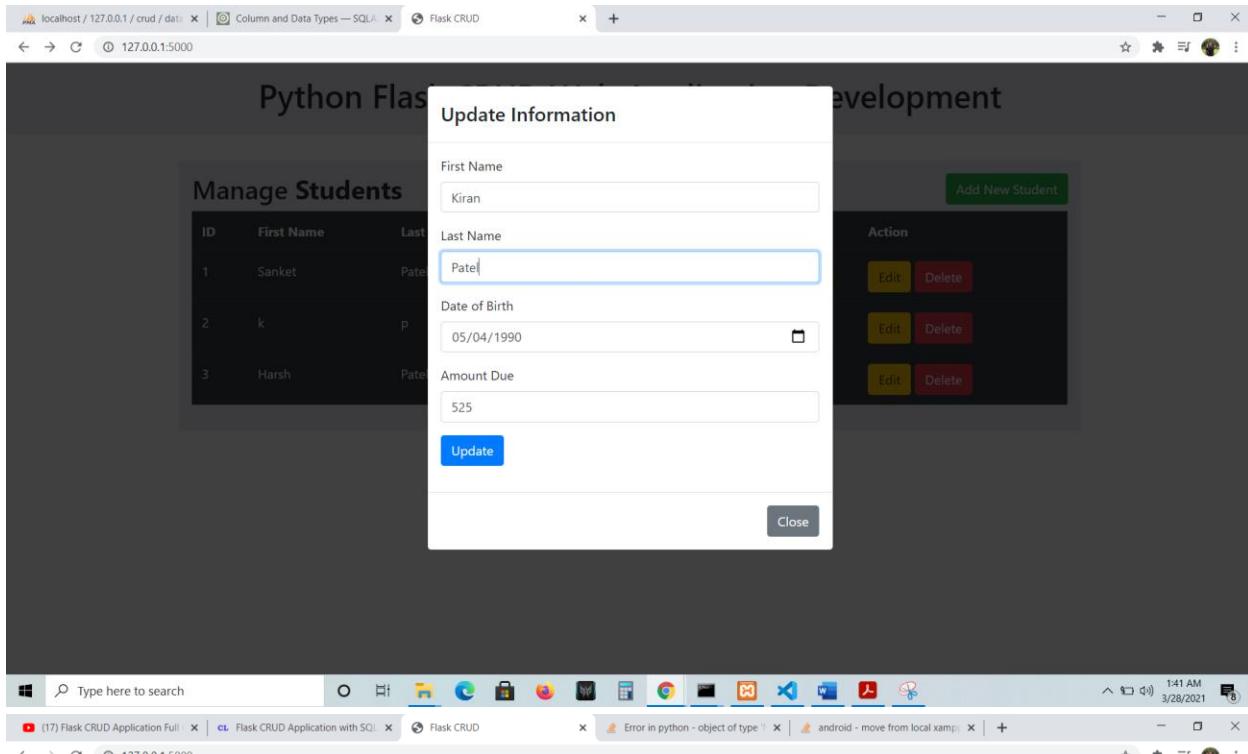
The screenshot shows a web browser window titled "Python Flask CRUD Web Application Development". The main content area is titled "Manage Students" and displays a table of student data. The table has columns: ID, First Name, Last Name, Date of Birth, Amount Due, and Action. There are three rows of data:

ID	First Name	Last Name	Date of Birth	Amount Due	Action
1	Sanket	Patel	1993-03-02	10000	Edit Delete
2	k	p	1990-05-04	525	Edit Delete
3	Harsh	Patel	1995-12-12	10233	Edit Delete

A green button labeled "Add New Student" is located in the top right corner of the table area.



Changing another name



Student is updated successfully.

We can see the changes in DB.

Options

			student_id	first_name	last_name	dob	amount_due	
<input type="checkbox"/>				1	Sanket	Patel	1993-03-02	1
<input type="checkbox"/>				2	Kiran	Patel	1990-05-04	525
<input type="checkbox"/>				3	Harsh	Patel	1995-12-12	10233
<input type="checkbox"/>				4	af	fa	1998-02-02	21321
<input type="checkbox"/>				5	nbm	mb	1900-04-01	454
<input type="checkbox"/>				6	sjdn	hbjh	1992-12-12	346846
<input type="checkbox"/>				7	gghv	ghv	1952-04-05	454654

↑ Check all With selected: Edit Copy Delete Export

Delete:

Flask CRUD

127.0.0.1:5000

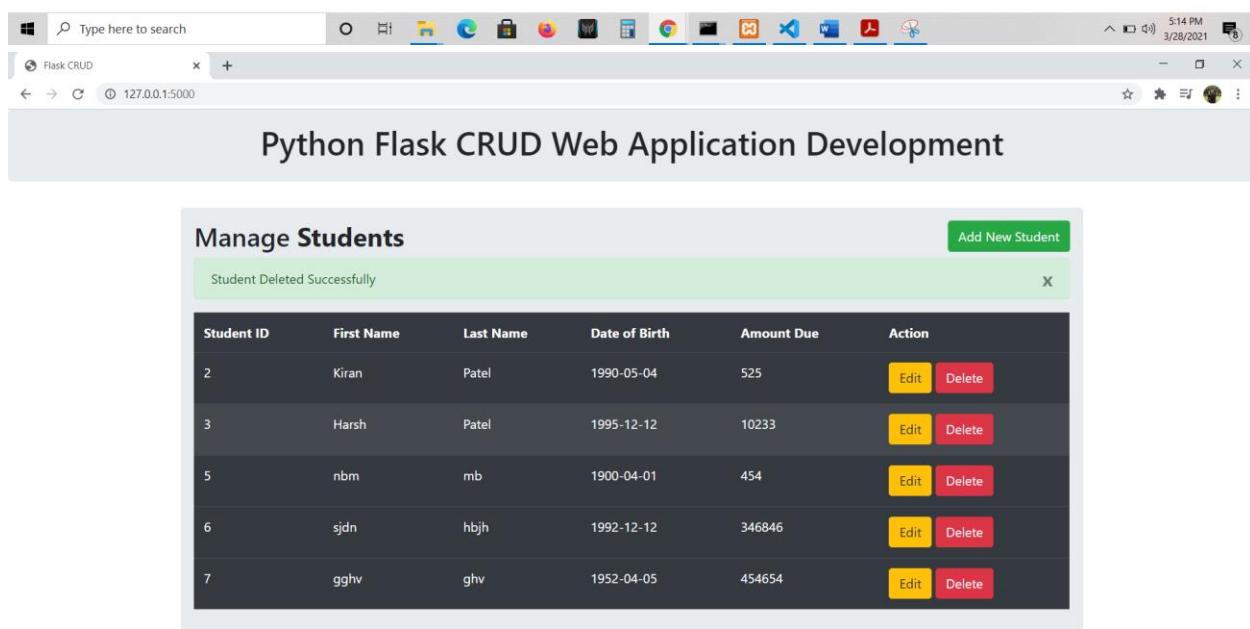
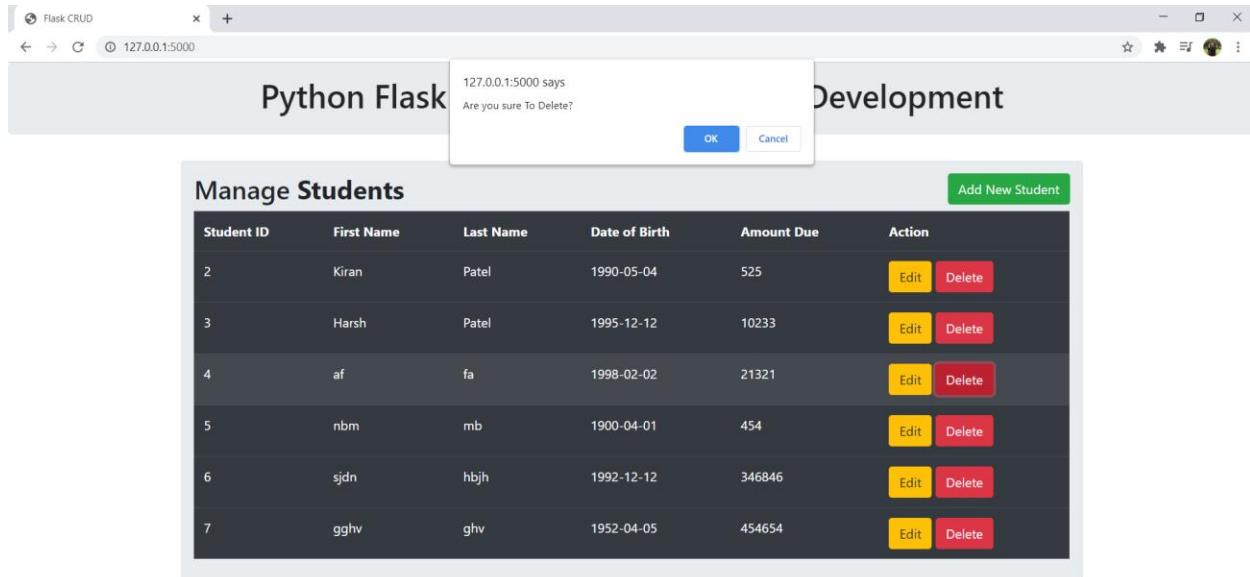
Python Flask CRUD Web Application Development

Add New Student

Student ID	First Name	Last Name	Date of Birth	Amount Due	Action
2	Kiran	Patel	1990-05-04	525	
3	Harsh	Patel	1995-12-12	10233	
4	af	fa	1998-02-02	21321	
5	nbm	mb	1900-04-01	454	
6	sjdn	hbjh	1992-12-12	346846	
7	gghv	ghv	1952-04-05	454654	

127.0.0.1:5000/delete/4

			student_id	first_name	last_name	dob	amount_due	
<input type="checkbox"/>				2	Kiran	Patel	1990-05-04	525
<input type="checkbox"/>				3	Harsh	Patel	1995-12-12	10233
<input type="checkbox"/>				4	af	fa	1998-02-02	21321
<input type="checkbox"/>				5	nbm	mb	1900-04-01	454
<input type="checkbox"/>				6	sjdn	hbjh	1992-12-12	346846
<input type="checkbox"/>				7	gghv	ghv	1952-04-05	454654



Manage Students						
Student Deleted Successfully						X
Student ID	First Name	Last Name	Date of Birth	Amount Due	Action	Add New Student
2	Kiran	Patel	1990-05-04	525	Edit Delete	
3	Harsh	Patel	1995-12-12	10233	Edit Delete	
5	nbm	mb	1900-04-01	454	Edit Delete	
6	sjdn	hbjh	1992-12-12	346846	Edit Delete	
7	gghv	ghv	1952-04-05	454654	Edit Delete	

We can see that student with name af is removed from database.

Deployment:

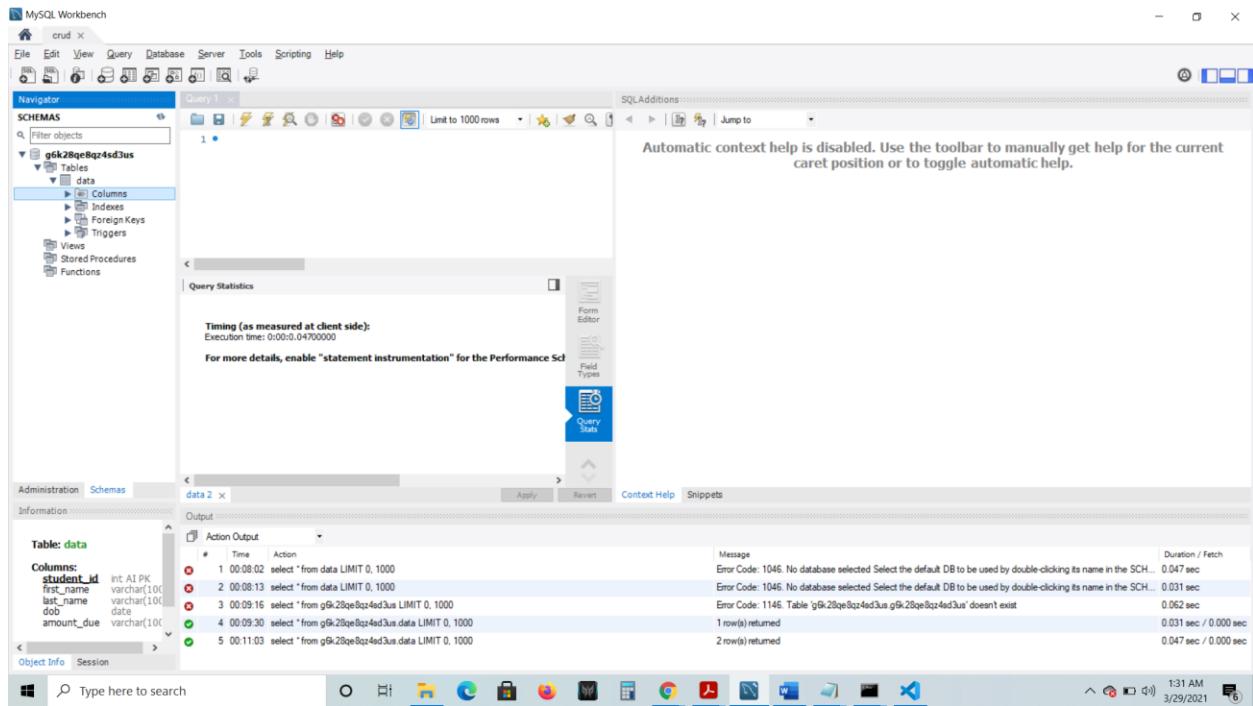
Using JawsDB as back end in cloud

The screenshot shows the JawsDB MySQL dashboard. At the top, there's a navigation bar with tabs for crud-app-students, Resources, Activity, Access, Settings, and JawsDB. Below the navigation is a "Connection Info" section with a "Connection String" field containing the URL: `mysql://n1kgmt4q3qm5vd8:yzay4mron21zi4np@u6354r3es4optspf.cbetxkdyhwsb.us-east-1.rds.amazonaws.com:3306/g6k28qe8qz4sd3us`. It also includes a "Reset" button. Below this is a "Server Status" section with properties like Status (AVAILABLE), Max Storage (0.005 GB), Backup Window (10:02-10:32 UTC), and Maintenance Window (TUE:06:57-TUE:07:27 UTC). The bottom of the window shows a taskbar with various icons.

The screenshot shows the Heroku app dashboard for "crud-app-students". At the top, there's a navigation bar with tabs for Overview, Resources, Deploy, Metrics, Activity, Access, and Settings. The "Resources" tab is selected. It shows a "Free Dynos" section with a "Change Dyno Type" button and a "web" dyno listed as "unicorn app:app" with a toggle switch set to "OFF" and a cost of "\$0.00". Below this is an "Add-ons" section with a search bar and a "Find more add-ons" button. A "JawsDB MySQL" add-on is attached to the app, shown as "Attached as JawsDB" with a "Kitefin Shared" status and a "Free" cost of "\$0.00". The bottom of the window shows a taskbar with various icons.

This screenshot is identical to the one above, showing the Heroku app dashboard for "crud-app-students" with the "Resources" tab selected. It displays the same information about free dynos and the attached JawsDB MySQL add-on.

Created initial table using credentials, we can check that using a remote connection using MysqlWorkbench



Logs after pushing and deploying changes

```
Command Prompt
C:\Users\sanke>heroku logs --app crud-app-students
» Warning: heroku update available from 7.47.6 to 7.51.0.
2021-03-29T05:11:58.778296+00:00 app[web.1]: [2021-03-29 05:11:58,753] ERROR in app: Exception on / [GET]
2021-03-29T05:11:58.778344+00:00 app[web.1]: Traceback (most recent call last):
2021-03-29T05:11:58.778345+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/sqlalchemy/util/_collections.py", line 1030, in __call__
2021-03-29T05:11:58.778350+00:00 app[web.1]:     return self.registry[key]
2021-03-29T05:11:58.778356+00:00 app[web.1]: KeyError: 140262574612864
2021-03-29T05:11:58.778361+00:00 app[web.1]:
2021-03-29T05:11:58.778362+00:00 app[web.1]: During handling of the above exception, another exception occurred:
2021-03-29T05:11:58.778363+00:00 app[web.1]:
2021-03-29T05:11:58.778364+00:00 app[web.1]: Traceback (most recent call last):
2021-03-29T05:11:58.778364+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/flask/app.py", line 2446, in wsgi_app
2021-03-29T05:11:58.778365+00:00 app[web.1]:     response = self.full_dispatch_request()
2021-03-29T05:11:58.778365+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/flask/app.py", line 1951, in full_dispatch_request
2021-03-29T05:11:58.778366+00:00 app[web.1]:     rv = self.handle_user_exception(e)
2021-03-29T05:11:58.778366+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/flask/app.py", line 1820, in handle_user_exception
2021-03-29T05:11:58.778366+00:00 app[web.1]:     reraise(exc_type, exc_value, tb)
2021-03-29T05:11:58.778367+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/flask/_compat.py", line 39, in reraise
2021-03-29T05:11:58.778367+00:00 app[web.1]:     raise value
2021-03-29T05:11:58.778367+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/flask/app.py", line 1949, in full_dispatch_request
2021-03-29T05:11:58.778368+00:00 app[web.1]:     rv = self.dispatch_request()
2021-03-29T05:11:58.778368+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/flask/app.py", line 1935, in dispatch_request
2021-03-29T05:11:58.778369+00:00 app[web.1]:     return self.view_functions[rule.endpoint](**req.view_args)
2021-03-29T05:11:58.778369+00:00 app[web.1]:   File "/app/app.py", line 38, in index
2021-03-29T05:11:58.778369+00:00 app[web.1]:     all_data = Data.query.all()
2021-03-29T05:11:58.778369+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/sqlalchemy/_init_.py", line 519, in __get__
2021-03-29T05:11:58.778370+00:00 app[web.1]:     return type.query_class(mapper, session=session())
2021-03-29T05:11:58.778370+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/sqlalchemy/orm/scoping.py", line 78, in __call__
2021-03-29T05:11:58.778370+00:00 app[web.1]:     return self.registry()
2021-03-29T05:11:58.778371+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/sqlalchemy/util/_collections.py", line 1032, in __call__
2021-03-29T05:11:58.778371+00:00 app[web.1]:     return self.registry.setdefault(key, self.createfunc())
2021-03-29T05:11:58.778371+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/sqlalchemy/orm/session.py", line 3254, in __call__
2021-03-29T05:11:58.778372+00:00 app[web.1]:     return self.class_(*local_kw)
2021-03-29T05:11:58.778372+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/flask_sqlalchemy/_init_.py", line 138, in __init__
2021-03-29T05:11:58.778372+00:00 app[web.1]:     bind = options.pop('bind', None) or db.engine
2021-03-29T05:11:58.778373+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/flask_sqlalchemy/_init_.py", line 937, in engine
2021-03-29T05:11:58.778373+00:00 app[web.1]:     return self.get_engine()
2021-03-29T05:11:58.778373+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/flask_sqlalchemy/_init_.py", line 956, in get_engine
2021-03-29T05:11:58.778374+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/flask_sqlalchemy/_init_.py", line 561, in get_engine
AppleWebkit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36" 13:21 AM 3/29/2021
```

```
Command Prompt
2021-03-29T05:11:58.778375+00:00 app[web.1]: return strategy.create(*args, **kwargs)
2021-03-29T05:11:58.778376+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/sqlalchemy/engine/strategies.py", line 87, in create
2021-03-29T05:11:58.778376+00:00 app[web.1]:     dbapi = dialect_cls.dbapi(*dbapi_
2021-03-29T05:11:58.778376+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/sqlalchemy/dialects/mysql/pymysql.py", line 62, in dbapi
2021-03-29T05:11:58.778376+00:00 app[web.1]:     return _import_('pymysql')
2021-03-29T05:11:58.778377+00:00 app[web.1]: ModuleNotFoundError: No module named 'pymysql'
2021-03-29T05:11:58.778377+00:00 heroku[router]: at=info method=GET path="/" host=crud-app-students.herokuapp.com request_id=e6576366-5d43-488c-9cc1-2c445e8386b3 fwd="99.23.26.143" status=200 bytes=455 protocol=https
2021-03-29T05:11:58.778378+00:00 app[web.1]: 10.69.178.208 - - [29/Mar/2021:05:11:58 +0000] "GET / HTTP/1.1" 200 290 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
2021-03-29T05:11:59.139650+00:00 heroku[router]: at=info method=GET path="/favicon.ico" host=crud-app-students.herokuapp.com request_id=291f818a-31ca-4dd4-8b62-57f9415e30d5 t=dns service=dns status=204 bytes=385 protocol=https
2021-03-29T05:11:59.241549+00:00 app[web.1]: 10.69.178.208 - - [29/Mar/2021:05:11:59 +0000] "GET /favicon.ico HTTP/1.1" 404 232 "https://crud-app-students.herokuapp.com/" "AppleWebKit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
2021-03-29T05:25:36.000000+00:00 app[api]: Build started by user sanke231193@gmail.com
2021-03-29T05:26:07.533690+00:00 app[api]: Deploy 9be1b1cd by user sanke231193@gmail.com
2021-03-29T05:26:07.533690+00:00 app[api]: Release v42 created by user sanke231193@gmail.com
2021-03-29T05:26:08.747829+00:00 heroku[web.1]: Restarting
2021-03-29T05:26:08.764693+00:00 heroku[web.1]: State changed from up to starting
2021-03-29T05:26:10.285198+00:00 heroku[web.1]: Stopping all processes with SIGTERM
2021-03-29T05:26:10.435352+00:00 app[web.1]: [2021-03-29 05:26:10 +0000] [9] [INFO] Worker exiting (pid: 9)
2021-03-29T05:26:10.437336+00:00 app[web.1]: [2021-03-29 05:26:10 +0000] [4] [INFO] Handling signal: term
2021-03-29T05:26:10.455664+00:00 app[web.1]: [2021-03-29 05:26:10 +0000] [10] [INFO] Worker exiting (pid: 10)
2021-03-29T05:26:10.581658+00:00 app[web.1]: [2021-03-29 05:26:10 +0000] [4] [INFO] Shutting down: Master
2021-03-29T05:26:10.742852+00:00 heroku[web.1]: Process exited with status 0
2021-03-29T05:26:14.249595+00:00 heroku[web.1]: Starting process with command `unicorn app:app`
2021-03-29T05:26:17.000000+00:00 app[api]: Build succeeded
2021-03-29T05:26:17.743165+00:00 app[web.1]: [2021-03-29 05:26:17 +0000] [4] [INFO] Starting unicorn 19.9.0
2021-03-29T05:26:17.744131+00:00 app[web.1]: [2021-03-29 05:26:17 +0000] [4] [INFO] Listening at: http://0.0.0.0:49657 (4)
2021-03-29T05:26:17.744294+00:00 app[web.1]: [2021-03-29 05:26:17 +0000] [4] [INFO] Using worker: sync
2021-03-29T05:26:17.754842+00:00 app[web.1]: [2021-03-29 05:26:17 +0000] [9] [INFO] Booting worker with pid: 9
2021-03-29T05:26:17.776859+00:00 app[web.1]: [2021-03-29 05:26:17 +0000] [10] [INFO] Booting worker with pid: 10
2021-03-29T05:26:18.732873+00:00 heroku[web.1]: State changed from starting to up
2021-03-29T05:26:21.339998+00:00 heroku[router]: at=info method=GET path="/" host=crud-app-students.herokuapp.com request_id=d42441451-994d-44fd-944c-88b91f1a7e7d fwd="99.23.26.143" status=200 bytes=9739 protocol=https
2021-03-29T05:26:21.342040+00:00 app[web.1]: 10.31.92.118 - - [29/Mar/2021:05:26:21 +0000] "GET / HTTP/1.1" 200 9577 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
2021-03-29T05:26:53.288146+00:00 heroku[router]: at=info method=POST path="/insert" host=crud-app-students.herokuapp.com request_id=1a1ae7c2-98b5-441e-9e11-e0e9db5bc50 fwd="99.23.26.143" status=302 bytes=601 protocol=https
2021-03-29T05:26:53.313143+00:00 app[web.1]: 10.31.92.118 - - [29/Mar/2021:05:26:53 +0000] "POST /insert HTTP/1.1" 302 209 "https://crud-app-students.herokuapp.com/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
AppleWebkit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36" 13:21 AM 3/29/2021
```

```
2021-03-29T05:26:17.776859+00:00 app[web.1]: [2021-03-29 05:26:17 +0000] [10] [INFO] Booting worker with pid: 10
2021-03-29T05:26:18.732873+00:00 heroku[web.1]: State changed from starting to up
2021-03-29T05:26:19.539998+00:00 heroku[router]: at=info method=GET path="/" host=crud-app-students.herokuapp.com request_id=42441451-994d-44fd-944c-88b91f1a7e7d fwd="99.23.93.93" status:200 bytes=9739 protocol=https
2021-03-29T05:26:21.342040+00:00 app[web.1]: 10.31.92.118 - - [29/Mar/2021:05:26:21 +0000] "GET / HTTP/1.1" 200 9577 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/53.4.389.90 Safari/537.36"
2021-03-29T05:26:53.288146+00:00 heroku[router]: at=info method=POST path="/insert" host=crud-app-students.herokuapp.com request_id=1a1ae7c2-98b5-441e-9e11-e0e9db5bbc50 fwd=service:501ms status:302 bytes=601 protocol=https
2021-03-29T05:26:53.311343+00:00 app[web.1]: 10.31.92.118 - - [29/Mar/2021:05:26:53 +0000] "POST /insert HTTP/1.1" 302 209 "https://crud-app-students.herokuapp.com/" "Mozilla/5.0 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
2021-03-29T05:26:53.504129+00:00 app[web.1]: 10.31.92.118 - - [29/Mar/2021:05:26:53 +0000] "GET / HTTP/1.1" 200 12400 "https://crud-app-students.herokuapp.com/" "Mozilla/5.0 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
2021-03-29T05:26:53.545599+00:00 heroku[router]: at=info method=GET path="/" host=crud-app-students.herokuapp.com request_id=45ff989c-7453-4304-b4ad-7421941b4a1b fwd="99.23.124.0" status:200 bytes=12643 protocol=https
2021-03-29T05:27:01.183305+00:00 app[web.1]: 10.31.92.118 - - [29/Mar/2021:05:27:01 +0000] "POST /update HTTP/1.1" 302 209 "https://crud-app-students.herokuapp.com/" "Mozilla/5.0 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
2021-03-29T05:27:01.189649+00:00 heroku[router]: at=info method=POST path="/update" host=crud-app-students.herokuapp.com request_id=603ea33f-5d13-4c99-849c-0f968c6c0c35 fwd=service:50ms status:302 bytes=608 protocol=https
2021-03-29T05:27:01.21.248785+00:00 app[web.1]: 10.31.92.118 - - [29/Mar/2021:05:27:01 +0000] "GET / HTTP/1.1" 200 12397 "https://crud-app-students.herokuapp.com/" "Mozilla/5.0 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
2021-03-29T05:27:01.255796+00:00 heroku[router]: at=info method=GET path="/" host=crud-app-students.herokuapp.com request_id=cfc70bcf-99ae-45d3-93f7-e02046e2863f fwd="99.23.17ms" status:200 bytes=12648 protocol=https
2021-03-29T05:27:02.182566+00:00 app[web.1]: [2021-03-29 05:27:02,180] ERROR in app: Exception on /update [GET]
2021-03-29T05:27:02.182576+00:00 app[web.1]: Traceback (most recent call last):
2021-03-29T05:27:02.182577+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/flask/app.py", line 2446, in wsgi_app
2021-03-29T05:27:02.182577+00:00 app[web.1]:     response = self.full_dispatch_request()
2021-03-29T05:27:02.182582+00:00 app[web.1]:     File "/app/.heroku/python/lib/python3.7/site-packages/flask/app.py", line 1952, in full_dispatch_request
2021-03-29T05:27:02.182582+00:00 app[web.1]:       return self.finalize_request(rv)
2021-03-29T05:27:02.182583+00:00 app[web.1]:     File "/app/.heroku/python/lib/python3.7/site-packages/flask/app.py", line 1967, in finalize_request
2021-03-29T05:27:02.182583+00:00 app[web.1]:       response = self.make_response(rv)
2021-03-29T05:27:02.182584+00:00 app[web.1]:     File "/app/.heroku/python/lib/python3.7/site-packages/flask/app.py", line 2097, in make_response
2021-03-29T05:27:02.182586+00:00 app[web.1]:       TypeError: The view function did not return a valid response. The function either returned None or ended without a return statement
2021-03-29T05:27:02.308945+00:00 app[web.1]: 10.61.245.89 - - [29/Mar/2021:05:27:02 +0000] "GET /update HTTP/1.1" 500 298 "https://www.google.com/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/53.4.389.90 Safari/537.36"
2021-03-29T05:27:02.313885+00:00 heroku[router]: at=info method=GET path="/update" host=crud-app-students.herokuapp.com request_id=976e565e-4e53-46d2-8393-42b1eba00f0 fwd=services:172ms status:500 bytes=455 protocol=https
2021-03-29T05:27:16.589827+00:00 app[web.1]: 10.31.92.118 - - [29/Mar/2021:05:27:16 +0000] "GET /delete/3 HTTP/1.1" 308 305 "https://crud-app-students.herokuapp.com/" "Mozilla/5.0 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
2021-03-29T05:27:16.587923+00:00 heroku[router]: at=info method=GET path="/delete/3" host=crud-app-students.herokuapp.com request_id=9ee6f95-2a4f-48da-aad6-53caf6357045 fwd=services:26ms status:308 bytes=543 protocol=https
appleWebKit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
```

```
[1] Command Prompt
2021-03-29T05:26:53.313143+00:00 app[web.1]: 10.31.92.118 - - [29/Mar/2021:05:26:53 +0000] "POST /insert HTTP/1.1" 302 209 "https://crud-app-students.herokuapp.com/" "Mozilla/5.0 Webkit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
2021-03-29T05:26:53.50129+00:00 app[web.1]: 10.31.92.118 - - [29/Mar/2021:05:26:53 +0000] "GET / HTTP/1.1" 200 12400 "https://crud-app-students.herokuapp.com/" "Mozilla/5.0 Webkit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
2021-03-29T05:26:53.545999+00:00 heroku[router]: at=info method=GET path="/" host=crud-app-students.herokuapp.com request_id=45ff989c-7453-4304-b4ad-7421941b4a1b fwd="99.23.124.20" status=200 bytes=12643 protocol=https
2021-03-29T05:27:01.183395+00:00 app[web.1]: 10.31.92.118 - - [29/Mar/2021:05:27:01 +0000] "POST /update HTTP/1.1" 302 209 "https://crud-app-students.herokuapp.com/" "Mozilla/5.0 Webkit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
2021-03-29T05:27:01.189649+00:00 heroku[router]: at=info method=POST path="/update" host=crud-app-students.herokuapp.com request_id=603ea33f-5d13-4c99-849c-0f368c6c0c35 fwd="99.23.124.20" status=303 bytes=600 protocol=https
2021-03-29T05:27:01.21.248785+00:00 app[web.1]: 10.31.92.118 - - [29/Mar/2021:05:27:01 +0000] "GET / HTTP/1.1" 200 12397 "https://crud-app-students.herokuapp.com/" "Mozilla/5.0 Webkit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
2021-03-29T05:27:01.255796+00:00 heroku[router]: at=info method=GET path="/" host=crud-app-students.herokuapp.com request_id=cfc70bcf-90ae-45d3-93f7-e02046e2863f fwd="99.23.124.20" status=200 bytes=12640 protocol=https
2021-03-29T05:27:02.182566+00:00 app[web.1]: [2021-03-29 05:27:02,180] ERROR in app: Exception on /update [GET]
2021-03-29T05:27:02.182576+00:00 app[web.1]: Traceback (most recent call last):
2021-03-29T05:27:02.182577+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.7/site-packages/flask/app.py", line 2446, in wsgi_app
2021-03-29T05:27:02.182577+00:00 app[web.1]:     response = self.full_dispatch_request()
2021-03-29T05:27:02.182582+00:00 app[web.1]:     File "/app/.heroku/python/lib/python3.7/site-packages/flask/app.py", line 1952, in full_dispatch_request
2021-03-29T05:27:02.182582+00:00 app[web.1]:       return self.finalize_request(r)
2021-03-29T05:27:02.182583+00:00 app[web.1]:     File "/app/.heroku/python/lib/python3.7/site-packages/flask/app.py", line 1967, in finalize_request
2021-03-29T05:27:02.182583+00:00 app[web.1]:       response = self.make_response(r)
2021-03-29T05:27:02.182584+00:00 app[web.1]:     File "/app/.heroku/python/lib/python3.7/site-packages/flask/app.py", line 2097, in make_response
2021-03-29T05:27:02.182584+00:00 app[web.1]:       "The view function did not return a valid response. The"
2021-03-29T05:27:02.182586+00:00 app[web.1]: TypeError: The view function did not return a valid response. The function either returned None or ended without a return state
2021-03-29T05:27:02.308945+00:00 app[web.1]: 10.31.216.245.89 - - [29/Mar/2021:05:27:02 +0000] "GET /update HTTP/1.1" 500 290 "https://www.google.com/" "Mozilla/5.0 (Windows NT KHTML, like Gecko) Chrome/84.0.4147.135 Safari/537.36"
2021-03-29T05:27:19.313085+00:00 heroku[router]: at=info method=GET path="/update" host=crud-app-students.herokuapp.com request_id=976e565e-4e53-46d2-8393-42b1eba000f0 fwd="99.23.124.20" status=500 bytes=455 protocol=https
2021-03-29T05:27:16.589827+00:00 app[web.1]: 10.31.92.118 - - [29/Mar/2021:05:27:16 +0000] "GET /delete/3 HTTP/1.1" 308 305 "https://crud-app-students.herokuapp.com/" "Mozilla/5.0 Webkit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
2021-03-29T05:27:16.587923+00:00 heroku[router]: at=info method=GET path="/delete/3" host=crud-app-students.herokuapp.com request_id=9ee6f95-2a4f-48da-a6d-53caf6357045 fwd="99.23.124.20" status=308 bytes=543 protocol=https
2021-03-29T05:27:16.668440+00:00 app[web.1]: 10.31.92.118 - - [29/Mar/2021:05:27:16 +0000] "GET /delete/3 HTTP/1.1" 302 209 "https://crud-app-students.herokuapp.com/" "Mozilla/5.0 Webkit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
2021-03-29T05:27:16.577763+00:00 heroku[router]: at=info method=GET path="/delete/3" host=crud-app-students.herokuapp.com request_id=a2ddf2e3-052b-4b9c-aa09-05e1fd5d6ca9 fwd="99.23.124.20" status=200 bytes=600 protocol=https
2021-03-29T05:27:16.786683+00:00 app[web.1]: 10.31.92.118 - - [29/Mar/2021:05:27:16 +0000] "GET / HTTP/1.1" 200 9986 "https://crud-app-students.herokuapp.com/" "Mozilla/5.0 Webkit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36"
2021-03-29T05:27:16.793330+00:00 heroku[router]: at=info method=GET path="/" host=crud-app-students.herokuapp.com request_id=b5eb958c-8aa8-4f16-b727-781597784de7 fwd="99.23.124.20" status=200 bytes=1028 protocol=https
2021-03-29T05:27:16.800000+00:00 heroku[router]: at=info method=GET path="/favicon.ico" host=crud-app-students.herokuapp.com request_id=976e565e-4e53-46d2-8393-42b1eba000f0 fwd="99.23.124.20" status=200 bytes=0 protocol=https
```

Build is successful

Sanket2311/Python-CI | dc connect - Google Slides | Assignments - 202141 | Lab Assignment-3 - 20 | crud-app-students | JawsDB | Flask CRUD

crud-app-students.herokuapp.com

Python Flask CRUD Web Application Development

Manage Students

Student ID	First Name	Last Name	Date of Birth	Amount Due	Action
1	Dwayne	Johnson	1993-02-03	1025	<button>Edit</button> <button>Delete</button>
4	Joe	Biden	2020-10-14	1081	<button>Edit</button> <button>Delete</button>
5	Donald	Trump	1993-03-17	1010	<button>Edit</button> <button>Delete</button>
6	Hulk	Hogan	1980-03-20	1250	<button>Edit</button> <button>Delete</button>

Add New Student

Type here to search 3:55 PM 3/29/2021

MySQL Workbench crud

File Edit View Query Database Server Tools Scripting Help

Navigator: Query 1

SCHEMAS g6k28qe8qz4sd3us

Tables data

Columns

Indexes

Foreign Keys

Triggers

Views

Stored Procedures

Functions

Query 1

```
1 select * from g6k28qe8qz4sd3us.data
```

Result Grid Filter Rows: Export/Import: Wrap Cell Content: Apply Revert

Administration Schemas Information

Table: data

Columns:

student_id	first_name	last_name	dob	amount_due
1	Dwayne	Johnson	1993-02-03	1025
4	Joe	Biden	2020-10-14	1081
5	Donald	Trump	1993-03-17	1010
6	Hulk	Hogan	1980-03-20	1250

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Github Link: <https://github.com/Sanket2311/Python-CRUD-app/tree/main>

App link: <https://crud-app-students.herokuapp.com/>

Work Division & Planning:

26/03/2021	Creating HTMLs
27/03/2021	Creating app for ADD
28/03/2021	Creating app for Read, Update, Delete
29/03/2021	Documentation