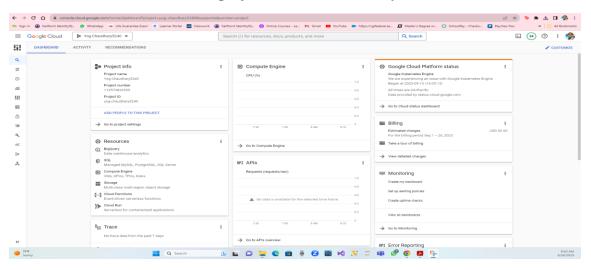
Yog Chaudhary 11727095

ADTA 5240 Week 6'th (harvesting, Storing, And Retrieving Data)

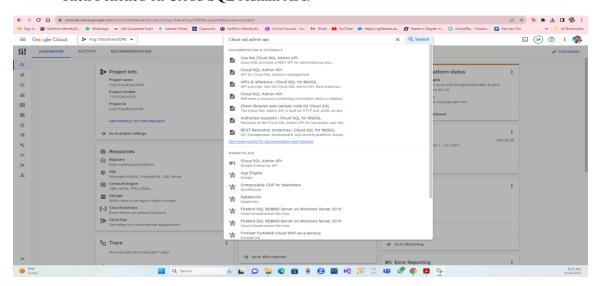
Professor: Dr. Zeynep Orhan University Of North Texas Sep 27, 2023

Create a SQL instance, database, and table, and load data in MySQL PDF.

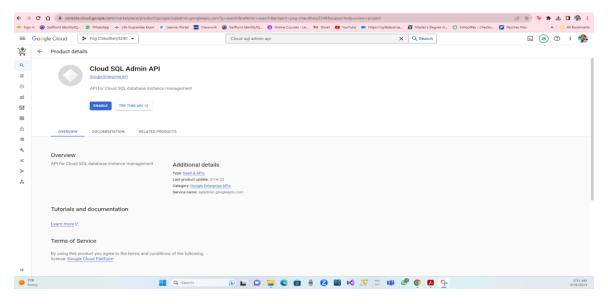
1. In GCP, I have selected a project which I have already created.



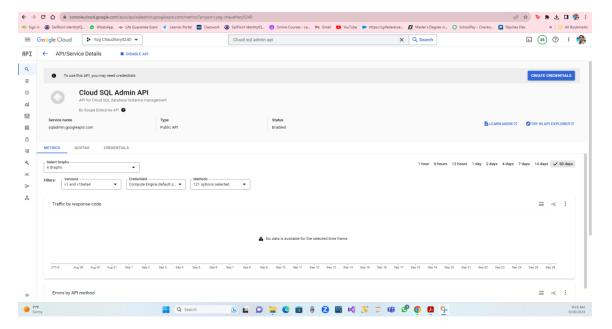
- 2. I have enabled Cloud SQL Admin API.
- For enabling this I have searched for Cloud SQL Admin API
- Then I clicked on Cloud SQL Admin API.



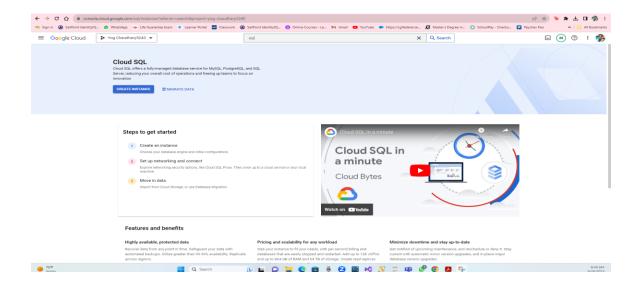
3. After clicking on this I was taken to this page, here I clicked on enable.



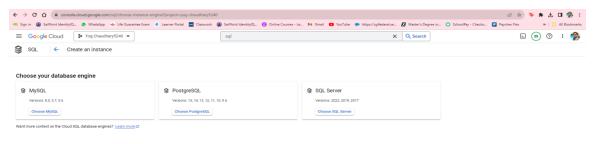
- Hare, I have enabled cloud SQL Admin API.
- Here is the screenshot of that



- 4. Create a Cloud SQL Instance.
- A) In the Google Cloud Console, I searched for SQL and Clicked on it., After that, I Clicked on the Cloud SQL instance.

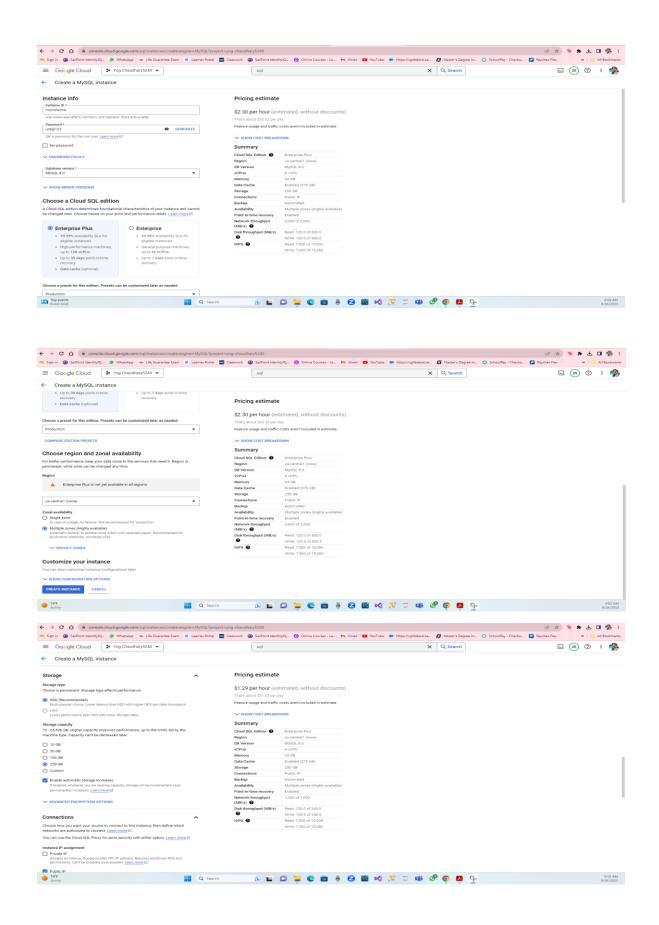


B) After Clicking on Create Instance, I was taken this page that below shows.

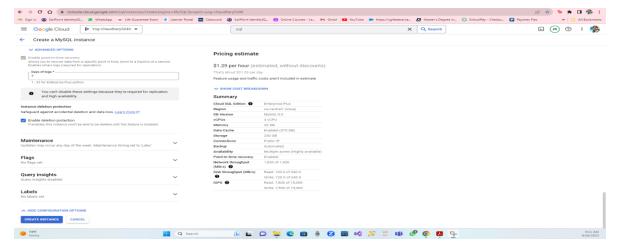




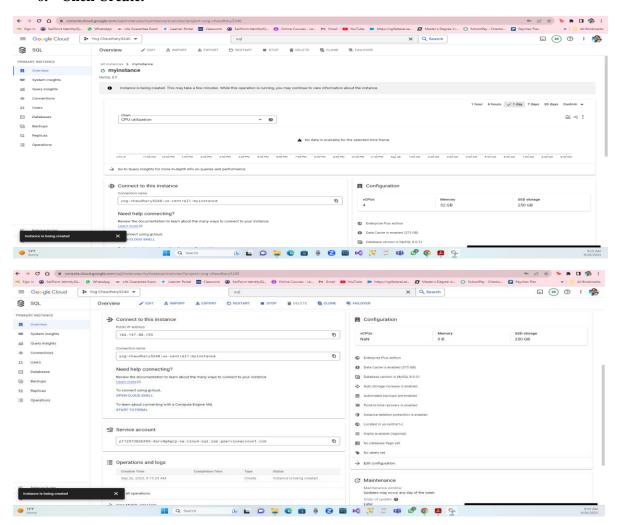
- 5. Click on choose MYSQL.
- By selecting MySQL, I have gone through this page.
- Hare, I have given instance ID as myinstance.
- I have given the password (unt@123).
- All other as default.
- Click on create instance.



• By clicking on Create instance I was taken to this page.



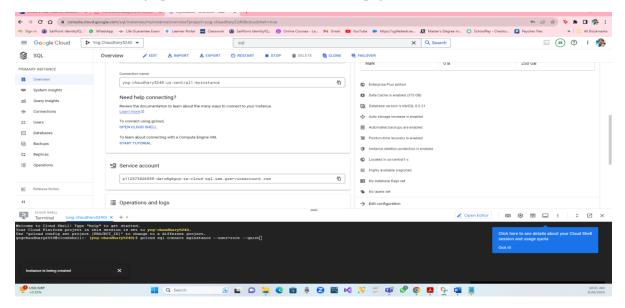
6. Click Create.



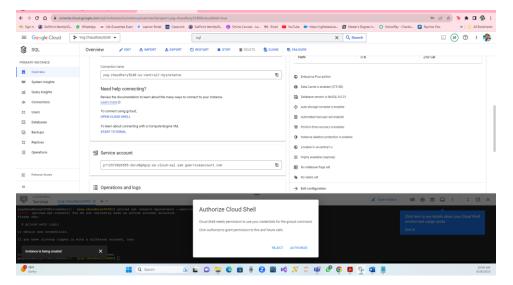
Hence the above screenshot shows the instance that has been successfully created.

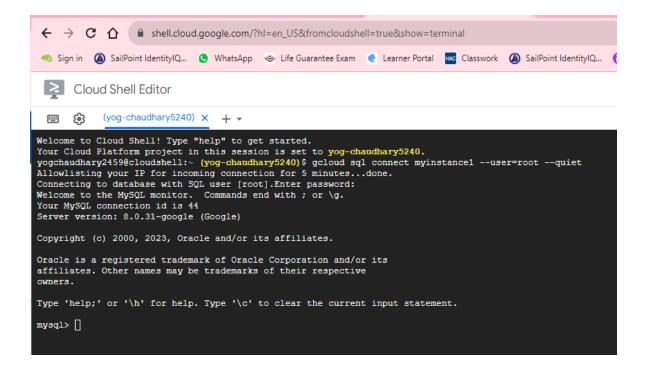
7. Create a database and Upload data.

- Hare In instance overview screen, I have selected open cloud shell which was under the connect to this instance.
- After selecting open cloud shell, I was taken to the page below.



- After the could shell had been activated, I saw a screen like the above screen with a command (gcloud sql connect myinstance --user=root --quiet).
- Click enter.
- By clicking I was taken to this page below.
- I entered the password from the instance that I had created in the console.





8. Now, I am Creating a database of "customers" and table "entries"

- CREATE DATABASE customers,
- Then pressed enter.
- USE customers.
- Then pressed enter.
- CREATE TABLE customers
- (fName VARCHAR (255),
- IName VARCHAR (255),
- Phone varchar (255),
- Address VARCHAR (255),
- City VARCHAR (255),
- State VARCHAR (255),
- Model VARCHAR (255),
- Comments VARCHAR (255));
- Then clicked enter.

9. Entering the data:

A) Now I entered the data into the table by using the following commands:

- → INSERT INTO customers (fName, lName, phone, address, city, state, model, comments) VALUES ('Tony', 'Barone', '555-676-7778', '1018 State Street', 'Houston', 'TX', 'A-1237', 'This is the best product I have ever purchased.');
- → INSERT INTO customers (fName, lName, phone, address, city, state, model, comments) VALUES ('Helen', 'Smith', '777-878-0098', '889 Elm Road', 'St. Louis', 'MO', 'H-435', 'I would never buy this product again!');
- → INSERT INTO customers (fName, lName, phone, address, city, state, model, comments) VALUES ('Susan', 'Heller', '876-888-6795', '879 Main Street', 'Los Angeles', 'CA', 'K-8887', 'All good');
- → INSERT INTO customers (fName, lName, phone, address, city, state, model, comments) VALUES ('Betsy', 'Clark', '555-887-1098', '45 West 54th Ave', 'Topeka', 'KS', 'Z-2', 'No Issues');

```
mysql> INSERT INTO customers VALUES

-> ('Tony', 'Barone', '555-676-7778', '1018 State Street', 'Houston','TX', 'A-1237', 'This is the best product I have ever purchased')
-> ;
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO customers VALUES
-> ('Helen', 'Smith', '777-878-0098', '889 Elm Road', 'St. Louis', 'MO', 'H-435', 'I would never buy this product again')
-> ;
Query OK, 1 row affected (0.03 sec)

mysql> INSERT INTO customers VALUES
-> ('Susan', 'Heller', '876-888-6795', '879 Main Street', 'Los Angeles', 'CA', 'K-8887', 'All good');
Query OK, 1 row affected (0.03 sec)

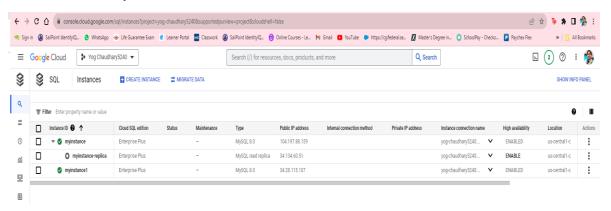
mysql> INSERT INTO customers VALUES
-> ('Betsy', 'Clark', '555-887-1098', '45 West 54th Ave', 'Topeka', 'KS', 'Z-2', 'No Issues');
Query OK, 1 row affected (0.04 sec)
```

10. Retrieving the data:

- SELECT * FROM customers;
- The output is here.

11. Cleanup

- For this in the google cloud console, search for SQL and click on it.
- Then I clicked on the delete option for deleting the instance.
- I entered myinstance in and clicked on delete.



You cannot reuse an instance name for about 7 days after the instance deleted