

Lab Assignment – 5

Cloud Databases - GCP-SQL

19CSE445 – Cloud Computing

- **Codes:**
Signup:

```
<html>
  <head>
    <link rel="stylesheet" href="index.css">
  </head>
  <body>
    <div class="mainBody">
      <form action="https://us-central1-cloud-computing-
341208.cloudfunctions.net/assignment453" method="post">
        <div class="title">Sign Up</div>
        <input type="text" name="firstname" placeholder="First Name">
        <input type="text" name="lastname" placeholder="Last Name">
        <input type="text" name="username" placeholder="User Name">
        <input type="text" name="password" placeholder="Password">
        <input type="text" name="confirm" placeholder="Confirm">
        <input class="btn" type="submit" value="submit">
      </form>
    </div>
  </body>
</html>
```

Login:

```
<html>
  <head>
    <link rel="stylesheet" href="index.css">
  </head>
  <body>
    <div class="mainBody">
      <form action="https://us-central1-cloud-computing-
341208.cloudfunctions.net/function-2" method="post">
        <div class="title">Login</div>
        <input type="text" name="username" placeholder="User Name">
        <input type="text" name="password" placeholder="Password">
      </form>
    </div>
  </body>
</html>
```

```
<input class="btn" type="submit" name="" value="submit">
</form>
</div>
</body>
</html>
```

- **MySQL Workbench:**
Database:

CREATE DATABASE SampleDB;

USE SampleDB;

CREATE TABLE login (username varchar(25),password varchar(25));

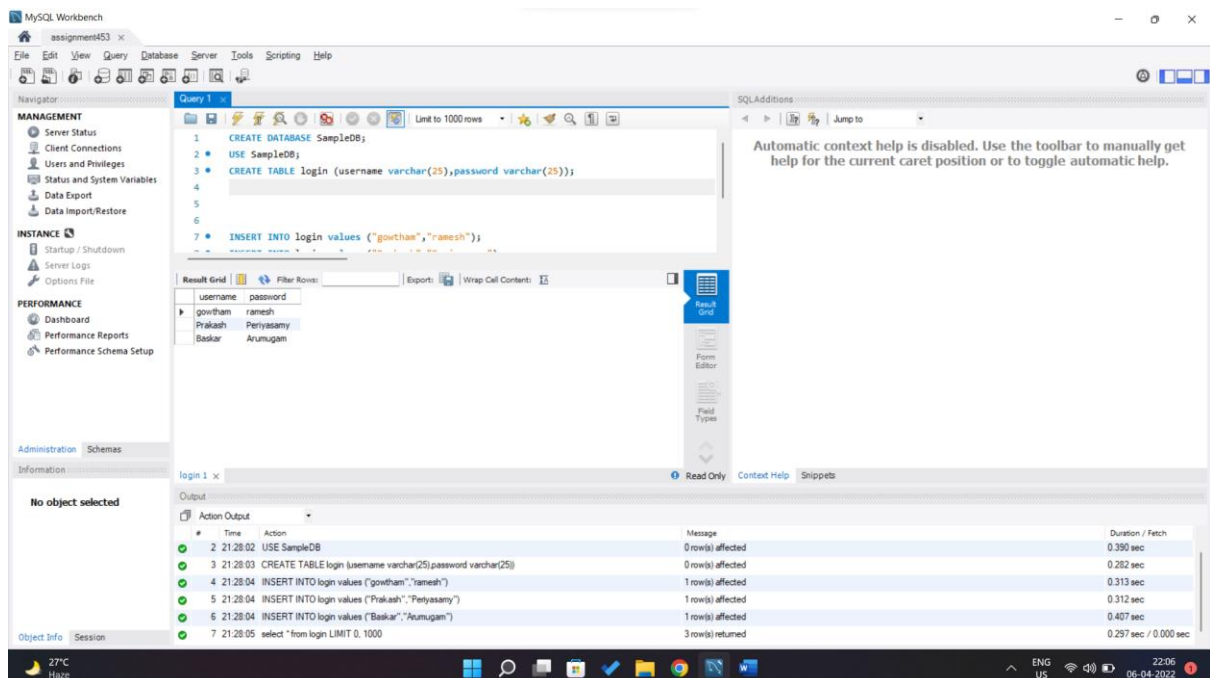
INSERT INTO login values ("abhinav","amrita");

INSERT INTO login values ("gowtham","ramesh");

INSERT INTO login values ("Prakash","Periyasamy");

INSERT INTO login values ("Baskar","Arumugam");

select * from login;



- **Function Creation:**

Function-1:

Cloud Functions

Functions

CREATE FUNCTION

REFRESH

LEARN

Filter

Filter functions

<input type="checkbox"/>	<div><div></div><div>Environment</div></div>	Name <div>↑</div>	Region	Trigger	Runtime	Memory allocated	Executed function	Last deployed	Authentication <div>?</div>	Actions
<input type="checkbox"/>	<div><div>✓</div><div>1st gen</div></div>	assignment453	us-central1	HTTP	Node.js 16	256 MB	helloWorld	Apr 6, 2022, 9:43:02 PM	Allow unauthenticated	<div>⋮</div>
<input type="checkbox"/>	<div><div>✓</div><div>1st gen</div></div>	function-2	us-central1	HTTP	Node.js 16	256 MB	helloWorld	Apr 6, 2022, 9:46:11 PM	Allow unauthenticated	<div>⋮</div>

Function-2:

function-2

1st gen

Version

Version 1, deployed at Apr 6, 2022, 9:46:11 PM ...

METRICS

DETAILS

SOURCE

VARIABLES

TRIGGER

PERMISSIONS

LOGS

TESTING

General Information

Last deployed

April 6, 2022 at 9:46:11 PM GMT+5

Region

us-central1

Memory allocated

256 MB

Timeout

60 seconds

Minimum instances

0

Maximum instances

3000

Service account

[cloud-computing-341208@appspot.gserviceaccount.com](#)

Build Worker Pools

—

Container build log

[95fdaff4-cf00-476b-abfd-33d8cf532a1f](#)

Networking Settings

Ingress settings

Allow all traffic

VPC connector

—

VPC connector egress routing

—

[EQUIVALENT REST](#)

- **Bucket Creation and File Uploading:**

Cloud Storage

Browser

Monitoring

Settings

←

Bucket details

REFRESHHELP ASSISTANTLEARN

abhinav453_bucket-1

Location

us-east1 (South Carolina)

Storage class

Standard

Public access

Subject to object ACLs

Protection

None

OBJECTS

CONFIGURATION

PERMISSIONS

PROTECTION

LIFECYCLE

Buckets

abhinav453_bucket-1

UPLOAD FILES

UPLOAD FOLDER

CREATE FOLDER

MANAGE HOLDS

DOWNLOAD

DELETE

Filter by name prefix only

Filter

Filter objects and folders

Show deleted data

<input type="checkbox"/>	Name	Size	Type	Created	Storage class	Last modified	Public access	Version history	Encryption	Retention
<input type="checkbox"/>	login.html	558 B	text/html	Apr 6, 202...	Standard	Apr 6, 202...	Not public	—	Google-managed key	—
<input type="checkbox"/>	signup.html	791 B	text/html	Apr 6, 202...	Standard	Apr 6, 202...	Not public	—	Google-managed key	—

Marketplace

Release Notes

⏪

Uploads and Cloud Computing operations

Uploading 2 files

login.html

Complete

signup.html

Complete

- **Running:**

← → ↻ 🏠 🔒 storage.googleapis.com/abhinav453_bucket-1/login.html

Login

abhinav

amrita

submit

← → ↻ 🏠 🔒 us-central1-cloud-computing-341208.cloudfunctions.net/function-2

Login Success