Lab Assignment-12
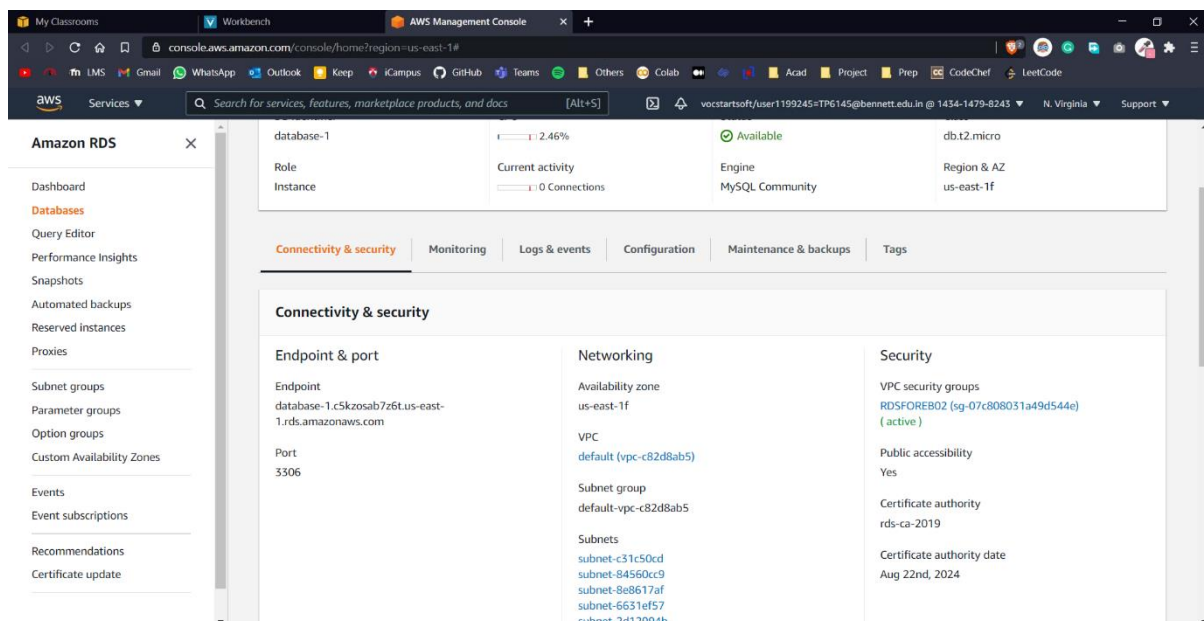## ECSE304L: Cloud Computing

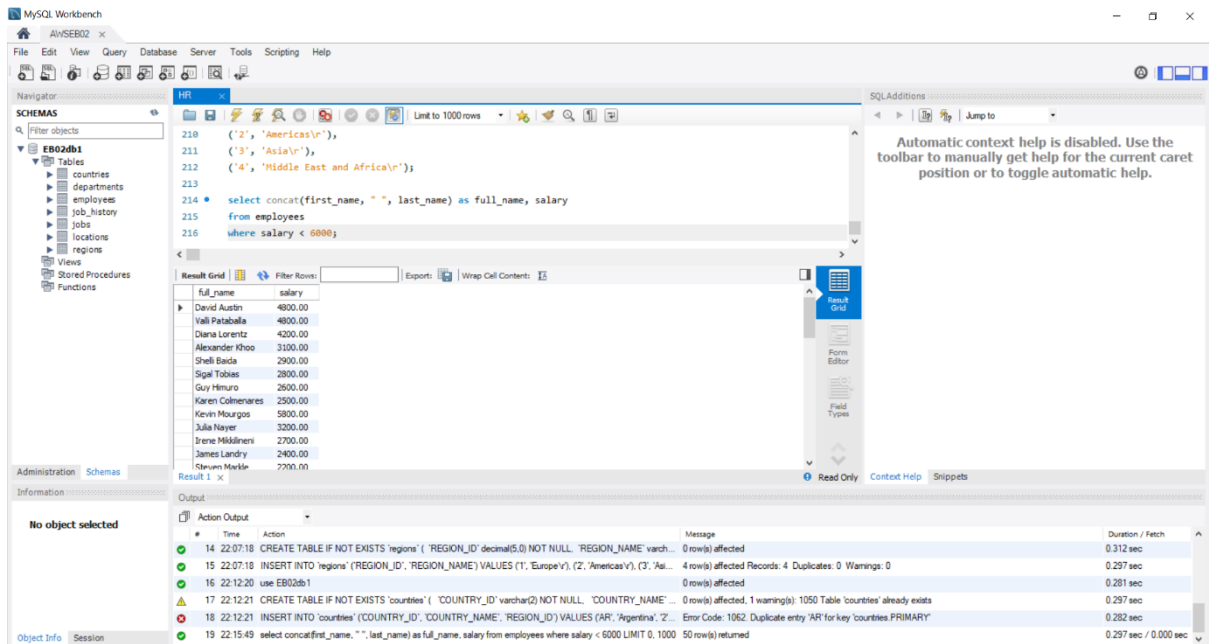**Name:** Tanvi Penumudy
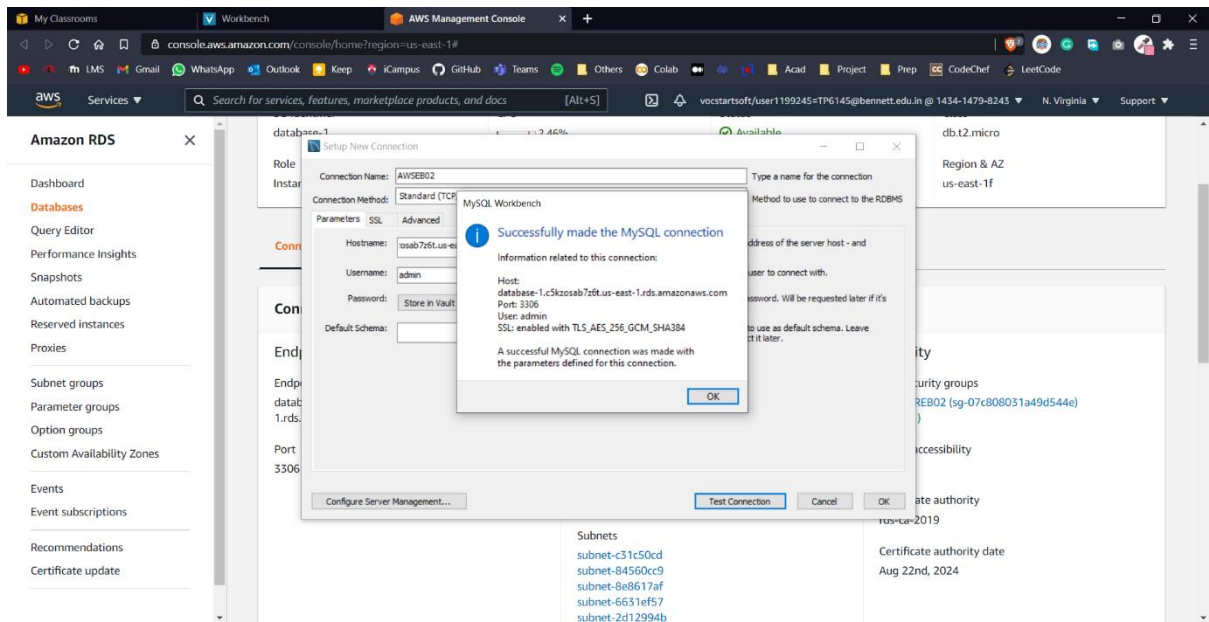**Enroll no**: E18CSE187
Batch: EB02

AWS Educate Name – vocstartsoft/user1199245=TP6145@bennett.edu.in

Lab Objective: Creation of Relational Database System using AWS RDS service and connect the Database using MySQL on cloud. Then import/create the database SQL script and write SQL queries

Step-by-Step Implementation:

console.aws.amazon.com/console/home?region=us-east-1#

fn LMS | Gmail | WhatsApp | Outlook | Keep | iCampus | GitHub | Teams | Others | Colab | Acad | Project | Prep | CodeChef | LeetCode

aws | Services ▼ | Search for services, features, marketplace products, and docs [Alt+S] | vocstartsoft/user1199245=TPG145@bennett.edu.in @ 1434-1479-8243 ▼ | N. Virginia ▼ | Support ▼

Amazon RDS ✕

Dashboard
Databases
Query Editor
Performance Insights
Snapshots
Automated backups
Reserved instances
Proxies

Subnet groups
Parameter groups
Option groups
Custom Availability Zones

Events
Event subscriptions

Recommendations
Certificate update

database-1 | 2.46% | Available | db.t2.micro

Role
Instance

Setup New Connection

Connection Name: AWSEB02 — Type a name for the connection
Connection Method: Standard (TCP — Method to use to connect to the RDBMS

Parameters | SSL | Advanced

Hostname: rosab7z6t.us-e... — ddress of the server host - and
Username: admin — user to connect with.
Password: Store in Vault — ssword. Will be requested later if it's
Default Schema: — to use as default schema. Leave ... ct it later.

MySQL Workbench

ℹ **Successfully made the MySQL connection**

Information related to this connection:

Host:
database-1.c5kzosab7z6t.us-east-1.rds.amazonaws.com
Port: 3306
User: admin
SSL: enabled with TLS_AES_256_GCM_SHA384

A successful MySQL connection was made with
the parameters defined for this connection.

[OK]

Configure Server Management... | Test Connection | Cancel | OK

Endp...
Endp...
datab...
1.rds.
Port
3306

REB02 (sg-07c808031a49d544e)

accessibility

ate authority
rds-ca-2019

Certificate authority date
Aug 22nd, 2024

curity groups
REB02 (sg-07c808031a49d544e)

Subnets
subnet-c31c50cd
subnet-84560cc9
subnet-8e8617af
subnet-6631ef57
subnet-2d12994b

MySQL Workbench

AWSEB02 ✕

File | Edit | View | Query | Database | Server | Tools | Scripting | Help

Navigator
SCHEMAS
Filter objects
▼ EB02db1
  ▼ Tables
    ► countries
    ► departments
    ► employees
    ► job_history
    ► jobs
    ► locations
    ► regions
  Views
  Stored Procedures
  Functions

HR

Limit to 1000 rows

```
210    ('2', 'Americas\r'),
211    ('3', 'Asia\r'),
212    ('4', 'Middle East and Africa\r');
213
214  • select concat(first_name, " ", last_name) as full_name, salary
215    from employees
216    where salary < 6000;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

full_name	salary
David Austin	4800.00
Valli Pataballa	4800.00
Diana Lorentz	4200.00
Alexander Khoo	3100.00
Sheli Baida	2900.00
Sigal Tobias	2800.00
Guy Himuro	2600.00
Karen Colmenares	2500.00
Kevin Mourgos	5800.00
Julia Nayer	3200.00
Irene Mikkilineni	2700.00
James Landry	2400.00
Steven Markle	2200.00

Result Grid | Form Editor | Field Types

Read Only

SQLAdditions

◄ ► | Jump to

Automatic context help is disabled. Use the
toolbar to manually get help for the current caret
position or to toggle automatic help.

Context Help | Snippets

Information
No object selected

Object Info | Session

Output
Action Output

#	Time	Action	Message	Duration / Fetch
14	22:07:18	CREATE TABLE IF NOT EXISTS 'regions' ('REGION_ID' decimal(5,0) NOT NULL, 'REGION_NAME' varch...	0 row(s) affected	0.312 sec
15	22:07:18	INSERT INTO 'regions' ('REGION_ID', 'REGION_NAME') VALUES ('1', 'Europe\r'), ('2', 'Americas\r'), ('3', 'Asi...	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.297 sec
16	22:12:20	use EB02db1	0 row(s) affected	0.281 sec
17	22:12:21	CREATE TABLE IF NOT EXISTS 'countries' ('COUNTRY_ID' varchar(2) NOT NULL, 'COUNTRY_NAME'...	0 row(s) affected, 1 warning(s): 1050 Table 'countries' already exists	0.297 sec
18	22:12:21	INSERT INTO 'countries' ('COUNTRY_ID', 'COUNTRY_NAME', 'REGION_ID') VALUES ('AR', 'Argentina', '2'...	Error Code: 1062. Duplicate entry 'AR' for key 'countries.PRIMARY'	0.282 sec
19	22:15:49	select concat(first_name, " ", last_name) as full_name, salary from employees where salary < 6000 LIMIT 0, 1000	50 row(s) returned	0.297 sec / 0.000 sec

Administration | Schemas
Object Info | Session

First window (top):

SQL Editor (HR tab):
```
214 •  select concat(first_name, " ", last_name) as full_name, salary
215    from employees
216    where salary < 6000;
217
218 •  select first_name, last_name, salary, department_id
219    from employees
220    where salary > 8000;
```

Result Grid:

first_name	last_name	salary	department_id
Steven	King	24000.00	90
Neena	Kochhar	17000.00	90
Lex	De Haan	17000.00	90
Alexander	Hunold	9000.00	60
Nancy	Greenberg	12000.00	100
Daniel	Faviet	9000.00	100
John	Chen	8200.00	100
Den	Raphaely	11000.00	30
Adam	Fripp	8200.00	50
John	Russell	14000.00	80
Karen	Partners	13500.00	80
Alberto	Errazuriz	12000.00	80
Gerald	Cambrault	11000.00	80

Action Output:

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19	22:15:49	select concat(first_name, " ", last_name) as full_name, salary from employees where salary < 6000 LIMIT 0, 1000	50 row(s) returned	0.297 sec / 0.000 sec
20	22:21:26	select first_name, last_name, salary, department_id from employees where salary > 8000 LIMIT 0, 1000	33 row(s) returned	0.297 sec / 0.000 sec

Second window (bottom):

SQL Editor (HR tab):
```
218 •  select first_name, last_name, salary, department_id
219    from employees
220    where salary > 8000;
221
222    select first_name, last_name, department_id
223    from employees
224    where last_name = "McEwen";
```

Result Grid:

first_name	last_name	department_id
Allan	McEwen	80

Action Output:

#	Time	Action	Message	Duration / Fetch
19	22:15:49	select concat(first_name, " ", last_name) as full_name, salary from employees where salary < 6000 LIMIT 0, 1000	50 row(s) returned	0.297 sec / 0.000 sec
20	22:21:26	select first_name, last_name, salary, department_id from employees where salary > 8000 LIMIT 0, 1000	33 row(s) returned	0.297 sec / 0.000 sec
21	22:23:09	select first_name, last_name, salary, department_id from employees where last_name = "McEwen" LIMIT 0, 1000	0 row(s) returned	0.313 sec / 0.000 sec
22	22:23:21	select first_name, last_name, salary, department_id from employees where last_name = "McEwen" LIMIT 0, 1000	0 row(s) returned	0.312 sec / 0.000 sec
23	22:23:33	select first_name, last_name, salary, department_id from employees where last_name = "McEwen" LIMIT 0, 10...	1 row(s) returned	0.297 sec / 0.000 sec
24	22:23:57	select first_name, last_name, department_id from employees where last_name = "McEwen" LIMIT 0, 1000	1 row(s) returned	0.266 sec / 0.000 sec