

Snowflake- Assignment

Name – Aryan Khokle

Cohort- INTAIA25DT003

Emp_id- 2387739

1. Create Database, Schema, and Table

Create a database named in the format

Create a schema named in the format

Create a table named

2. Insert 10 Records into the Table

Insert 10 employee records into the table.

The time travel feature should allow viewing past data before deletion.

```
MY_DB.PUBLIC  Settings

1  create database if not exists my_db;
2  use my_db;
3
4  create table emp(
5      id int primary key,
6      name string,
7      email string,
8      department string,
9      salary float,
10     join_date date
11 );|
12
13 INSERT INTO emp (id, name, email, department, salary, join_date) VALUES
14 (1, 'Aryan', 'qarxk@sample.com', 'HR', 113229.37, '2022-01-31'),
15 (2, 'Ansh', 'mtvmj@sample.com', 'Marketing', 101329.64, '2018-05-12'),
16 (3, 'Darshan', 'ifoqn@example.com', 'Engineering', 101303.33, '2019-06-18'),
17 (4, 'Tanish', 'kpgkf@test.com', 'HR', 114007.58, '2019-07-21'),
18 (5, 'Pavan', 'uobda@test.com', 'Sales', 86825.39, '2020-01-30'),
19 (6, 'Harshit', 'rgbov@test.com', 'Finance', 113229.37, '2020-12-09'),
20 (7, 'Malhar', 'xyzab@sample.com', 'Engineering', 64028.83, '2017-03-26'),
21 (8, 'Pradeep', 'aovmr@example.com', 'HR', 90706.03, '2017-09-27'),
22
```

| Results Chart | | | | | | |
|---------------|------|---------|-------------------|--------------|-----------|-------------|
| | # ID | A NAME | A EMAIL | A DEPARTMENT | # SALARY | 🕒 JOIN_DATE |
| 1 | 1 | Aryan | qarxk@sample.com | HR | 113229.37 | 2022-01-31 |
| 2 | 2 | Ansh | mtvmj@sample.com | Marketing | 101329.64 | 2018-05-12 |
| 3 | 3 | Darshan | ifoqn@example.com | Engineering | 101303.33 | 2019-06-18 |
| 4 | 4 | Tanish | kpgkf@test.com | HR | 114007.58 | 2019-07-21 |
| 5 | 6 | Harshit | rgbov@test.com | Finance | 113229.37 | 2020-12-09 |
| 6 | 7 | Malhar | xyzab@sample.com | Engineering | 64028.83 | 2017-03-26 |
| 7 | 8 | Pradeep | aovmr@example.com | HR | 90706.03 | 2017-09-27 |
| 8 | 9 | Mann | pbqfc@test.com | Finance | 89768.99 | 2022-07-22 |
| 9 | 11 | Anuj | unwnl@test.com | Marketing | 50265.92 | 2017-10-03 |
| 10 | 12 | Amit | jklmn@sample.com | HR | 113229.37 | 2022-01-31 |
| 11 | 13 | Ankit | opqrs@sample.com | Marketing | 101329.64 | 2018-05-12 |
| 12 | 14 | Ayush | tuvwX@example.com | Engineering | 101303.33 | 2019-06-18 |

3. Update Data

► Increase the salary of employees in the IT department by \$5000.

```
✓ update emp
  set salary=5000+salary
  where department='Sales';
```

| | # ID | : | A NAME | A EMAIL | A DEPARTMENT | # SALARY | 🕒 JOIN_DATE |
|---|------|---|---------|-------------------|--------------|-----------|-------------|
| 1 | 1 | | Aryan | qarxk@sample.com | HR | 113229.37 | 2022-01-31 |
| 2 | 2 | | Ansh | mtvmj@sample.com | Marketing | 101329.64 | 2018-05-12 |
| 3 | 3 | | Darshan | ifoqn@example.com | Engineering | 101303.33 | 2019-06-18 |
| 4 | 4 | | Tanish | kpgkf@test.com | HR | 114007.58 | 2019-07-21 |
| 5 | 6 | | Harshit | rgbov@test.com | Finance | 113229.37 | 2020-12-09 |
| 6 | 7 | | Malhar | xyzab@sample.com | Engineering | 64028.83 | 2017-03-26 |
| 7 | 8 | | Pradeep | aovmr@example.com | HR | 90706.03 | 2017-09-27 |

4. Delete a Record

Remove the employee with id 12 from the table.

```

delete from emp
where id=12;

select * from emp;

```

| | | | | | | |
|----|----|---------|-------------------|-------------|-----------|------------|
| 5 | 6 | Harshit | rgbov@test.com | Finance | 113229.37 | 2020-12-09 |
| 6 | 7 | Malhar | xyzab@sample.com | Engineering | 64028.83 | 2017-03-26 |
| 7 | 8 | Pradeep | aovmr@example.com | HR | 90706.03 | 2017-09-27 |
| 8 | 9 | Mann | pbqfc@test.com | Finance | 89768.99 | 2022-07-22 |
| 9 | 11 | Anuj | unwnl@test.com | Marketing | 50265.92 | 2017-10-03 |
| 10 | 13 | Ankit | opqrs@sample.com | Marketing | 101329.64 | 2018-05-12 |
| 11 | 14 | Ayush | tuvvX@example.com | Engineering | 101303.33 | 2019-06-18 |

5. Perform Time Travel

```

--time travel
select * from emp at (offset=>-5*60);
select current_timestamp();

```

View the table data from 5 minutes ago to check previous state.

| | | | | | |
|----|---------|-------------------|-------------|-----------|------------|
| 7 | Malhar | xyzab@sample.com | Engineering | 64028.83 | 2017-03-26 |
| 8 | Pradeep | aovmr@example.com | HR | 90706.03 | 2017-09-27 |
| 9 | Mann | pbqfc@test.com | Finance | 89768.99 | 2022-07-22 |
| 11 | Anuj | unwnl@test.com | Marketing | 50265.92 | 2017-10-03 |
| 12 | Amit | jklmn@sample.com | HR | 113229.37 | 2022-01-31 |
| 13 | Ankit | opqrs@sample.com | Marketing | 101329.64 | 2018-05-12 |
| 14 | Ayush | tuvvX@example.com | Engineering | 101303.33 | 2019-06-18 |

6. Drop the Table,undrop the table

```

drop table emp;
undrop table emp;
select * from emp at (offset=>-5*60);

```

| | # | ID | : | A | NAME | A | EMAIL | A | DEPARTMENT | # | SALARY | 🕒 | JOIN_DATE |
|---|---|----|---|---------|-------------------|-------------|-----------|------------|------------|---|--------|---|-----------|
| 1 | | 1 | | Aryan | qarxk@sample.com | HR | 113229.37 | 2022-01-31 | | | | | |
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| 3 | | 3 | | Darshan | ifoqn@example.com | Engineering | 101303.33 | 2019-06-18 | | | | | |
| 4 | | 4 | | Tanish | kpgkf@test.com | HR | 114007.58 | 2019-07-21 | | | | | |
| 5 | | 6 | | Harshit | rgbov@test.com | Finance | 113229.37 | 2020-12-09 | | | | | |
| 6 | | 7 | | Malhar | xyzab@sample.com | Engineering | 64028.83 | 2017-03-26 | | | | | |
| 7 | | 8 | | Pradeen | anvmr@example.com | HR | 90706.03 | 2017-09-27 | | | | | |

Query Details

Query duration418ms

Rows18

Query ID01bb920d-3201-890e-0...

Show more

ID#

8. Clone the Table

58

59

60

61

62

-- clone the table

create table emp_clone clone emp;

select * from emp_clone;

Results

Chart

| | # | ID | A | NAME | A | EMAIL | A | DEPARTMENT | # | SALARY | 🕒 | JOIN_DATE |
|---|---|----|---------|-------------------|-------------|-----------|------------|------------|---|--------|---|-----------|
| 1 | | 1 | Aryan | qarxk@sample.com | HR | 113229.37 | 2022-01-31 | | | | | |
| 2 | | 2 | Ansh | mtvmj@sample.com | Marketing | 101329.64 | 2018-05-12 | | | | | |
| 3 | | 3 | Darshan | ifoqn@example.com | Engineering | 101303.33 | 2019-06-18 | | | | | |
| 4 | | 4 | Tanish | kpgkf@test.com | HR | 114007.58 | 2019-07-21 | | | | | |
| 5 | | 6 | Harshit | rgbov@test.com | Finance | 113229.37 | 2020-12-09 | | | | | |
| 6 | | 7 | Malhar | xyzab@sample.com | Engineering | 64028.83 | 2017-03-26 | | | | | |
| 7 | | 8 | Pradeen | anvmr@example.com | HR | 90706.03 | 2017-09-27 | | | | | |

Query I

Query C

Rows

Query I

Show

ID