Daily Assignment-4

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1. Creating Databases, Tables, and Views

• Create a Database

• Create a Table

```
%sql
--- SQL syntax
CREATE TABLE IF NOT EXISTS employees (
    id INT,
    name STRING,
    age INT,
    department STRING,
    salary DOUBLE
)
USING PARQUET;

This result is stored as _sqldf and can be used in other Python cells.
```

Insert Data into the Table

```
%sql
INSERT INTO employees VALUES
(1, 'Arjun', 29, 'Engineering', 75000),
(2, 'Meera', 32, 'HR', 54000),
(3, 'Lakshmi', 28, 'Finance', 60000),
(4, 'Ramesh', 35, 'Engineering', 85000);

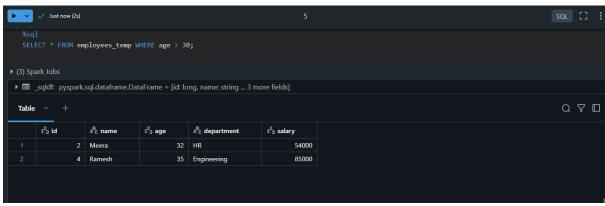
) (1) Spark Jobs

| (1) Spark Jobs
| (2) Spark Sql.dataframe.DataFrame
OK
OK
This result is stored as _sqldf and can be used in other Python cells.
```

• Create Temporary Views

2. Transformations

• Filter



Join

GroupBy and Aggregations



Window Functions



3. Creating Local and Temporary Views

• Create a Temporary View



Create a Global Temporary View



• Query the Temporary View

