

KAVIYADEVI – 20106064
24/076/2023

SQL

1. STUDENT

The screenshot displays the MySQL Workbench interface. The left sidebar contains navigation panels for MANAGEMENT, INSTANCE, PERFORMANCE, and INFORMATION. The central area shows a SQL query in the 'SQL File 3*' editor. The query includes creating a database, using it, creating a table with columns reg_no, Name_student, Department, PhoneNo, and YearOfPassing, and inserting six rows of student data. Below the query, the 'Result Grid' shows the output of the 'select * from students;' query, displaying six rows of student information. The bottom panel shows the 'Output' tab with a table of action results, including timestamps, actions, messages, and durations.

SQL Query:

```
1 CREATE DATABASE STUDENTS;
2 USE STUDENTS;
3 create table students(reg_no int primary key,Name_student varchar(15),Department varchar(10),PhoneNo numeric(40),YearOfPassing numeric(10));
4 insert into students values(20106033,"Ashitha","ECE",9768543210,2024);
5 insert into students values(20104064,"Kaviyadevi","CSE",7339862547,2024);
6 insert into students values(20107065,"Keertana","EEE",7654328907,2024);
7 insert into students values(20106827,"Santhosh","ECE",6754328902,2024);
8 insert into students values(20106830,"Sakthi","ECE",6780568034,2024);
9 select *from students;
```

Result Grid:

| reg_no | Name_student | Department | PhoneNo | YearOfPassing |
|----------|--------------|------------|------------|---------------|
| 20104064 | Kaviyadevi | CSE | 7339862547 | 2024 |
| 20106033 | Ashitha | ECE | 9768543210 | 2024 |
| 20106827 | Santhosh | ECE | 6754328902 | 2024 |
| 20106830 | Sakthi | ECE | 6780568034 | 2024 |
| 20107065 | Keertana | EEE | 7654328907 | 2024 |

Action Output:

| # | Time | Action | Message | Duration / Fetch |
|----|----------|--------------------------------------------------------------------------|-------------------|-----------------------|
| 22 | 17:39:08 | insert into students values(20106033,"Ashitha","ECE",9768543210,2024) | 1 row(s) affected | 0.093 sec |
| 23 | 17:39:08 | insert into students values(20104064,"Kaviyadevi","CSE",7339862547,2024) | 1 row(s) affected | 0.079 sec |
| 24 | 17:39:09 | insert into students values(20107065,"Keertana","EEE",7654328907,2024) | 1 row(s) affected | 0.078 sec |
| 25 | 17:39:09 | insert into students values(20106827,"Santhosh","ECE",6754328902,2024) | 1 row(s) affected | 0.094 sec |
| 26 | 17:39:09 | insert into students values(20106830,"Sakthi","ECE",6780568034,2024) | 1 row(s) affected | 0.157 sec |
| 27 | 17:39:09 | select *from students LIMIT 0, 1000 | 5 row(s) returned | 0.000 sec / 0.000 sec |

2. EMPLOYEE

MySQL Workbench

unconnected x Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Administration Schemas

Information

No object selected

SQL File 3* SQL File 3* x

Limit to 1000 rows

```
1 • CREATE DATABASE EMP;
2 • USE EMP;
3 • create table empp( emp_id int primary key,Name_student varchar(15),Department varchar(10),PhoneNo numeric(40),salary numeric(40));
4 • insert into empp values(021,"Askash","Accounts",9768543210,20000);
5 • insert into empp values(064,"Kavin","Marketing",7339862547,30000);
6 • insert into empp values(065,"Kiran","Sales",7654328907,29500);
7 • insert into empp values(827,"Harsha","Service",6754328902,32750);
8 • insert into empp values(830,"Mani","Production",6780568034,45600);
9 • select *from empp;
```

Result Grid

| emp_id | Name_student | Department | PhoneNo | salary |
|--------|--------------|------------|------------|--------|
| 21 | Askash | Accounts | 9768543210 | 20000 |
| 64 | Kavin | Marketing | 7339862547 | 30000 |
| 65 | Kiran | Sales | 7654328907 | 29500 |
| 827 | Harsha | Service | 6754328902 | 32750 |
| 830 | Mani | Production | 6780568034 | 45600 |
| NULL | NULL | NULL | NULL | NULL |

empp 1 x

Output

Action Output

| # | Time | Action | Message | Duration / Fetch |
|------|----------|-------------------------------------------------------------------|-------------------|------------------|
| ✓ 32 | 17:46:20 | insert into empp values(021,"Askash","Accounts",9768543210,20000) | 1 row(s) affected | 0.094 sec |
| ✓ 33 | 17:46:20 | insert into empp values(064,"Kavin","Marketing",7339862547,30000) | 1 row(s) affected | 0.078 sec |
| ✓ 34 | 17:46:20 | insert into empp values(065,"Kiran","Sales",7654328907,29500) | 1 row(s) affected | 0.078 sec |

Object Info Session

Activate Windows
Go to Settings to activate Windows.

Windows Taskbar: Type here to search, Jupyter Note..., Untitled23 - J..., kaviyadevi53..., Daily Assign..., MySQL Work..., 31°C, 5:46 PM 7/24/2023

3. BANK

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SQL File 3* SQL File 3* DGT x SQL File 5

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Administration Schemas

Information

No object selected

Object Info Session

```
1 • CREATE DATABASE BANK;
2 • USE BANK;
3 • create table Bank_det( acc_no numeric primary key,acc_holder_name varchar(15),Bank_name varchar(10),Branch_name varchar(40),Phone_no numeric(40));
4 • insert into Bank_det values(3245678901,"Askash","SBI","Othakkalmandapam",9845632180);
5 • insert into Bank_det values(5754462464,"Kavin","SBI","Malumichampatty",7654890643);
6 • insert into Bank_det values(4567899065,"Kiran","SBI","Madukkarai",7654328907);
7 • insert into Bank_det values(8274678905,"Harsha","SBI","Sundarapuram",6754328902);
8 • insert into Bank_det values(2345896830,"Mani","SBI","Othakkalmandapam",6780568034);
9 • select *from Bank_det;
```

Result Grid

| acc_no | acc_holder_name | Bank_name | Branch_name | Phone_no |
|------------|-----------------|-----------|------------------|------------|
| 2345896830 | Mani | SBI | Othakkalmandapam | 6780568034 |
| 3245678901 | Askash | SBI | Othakkalmandapam | 9845632180 |
| 4567899065 | Kiran | SBI | Madukkarai | 7654328907 |
| 5754462464 | Kavin | SBI | Malumichampatty | 7654890643 |
| 8274678905 | Harsha | SBI | Sundarapuram | 6754328902 |
| NULL | NULL | NULL | NULL | NULL |

Bank_det 1 x

Output

Action Output

| # | Time | Action | Message | Duration / Fetch |
|----|----------|--------------------------------------------------------------------------------------|-------------------|------------------|
| 22 | 19:20:05 | insert into Bank_det values(3245678901,"Askash","SBI","Othakkalmandapam",9845632180) | 1 row(s) affected | 0.156 sec |
| 23 | 19:20:06 | insert into Bank_det values(5754462464,"Kavin","SBI","Malumichampatty",7654890643) | 1 row(s) affected | 0.187 sec |
| 24 | 19:20:06 | insert into Bank_det values(4567899065,"Kiran","SBI","Madukkarai",7654328907) | 1 row(s) affected | 0.203 sec |

Activate Windows
Go to Settings to activate Windows.

Windows taskbar: Type here to search, MySQL Workbench, 31°C, 7:20 PM, 7/24/2023

4. LIBRARY

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SQL File 3* SQL File 3* DGT library x

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Administration Schemas

Information: No object selected

lib 1 x

```
1 • CREATE DATABASE LIB ;
2 • USE LIB;
3 • create table lib(lib_acc_no int primary key, name_acc varchar(15),Book_no varchar(10),Book_name varchar(40),Fine_amt numeric(20));
4 • insert into lib values(123,"Athi","L4S56","OPERATING SYSTEM",0);
5 • insert into lib values(675,"Kishore","K87R4","MACHINE LEARNING",20);
6 • insert into lib values(876,"Kiran","L90U6","DATA STRUCTURES IN JAVA",11);
7 • insert into lib values(978,"kavya","W4H89","SIGNALS AND SYSYSTEMS",98);
8 • insert into lib values(234,"Monisha","S2K09","DIGITAL COMMUNICATION",0);
9 • select *from lib;
```

Result Grid

| lib_acc_no | name_acc | Book_no | Book_name | Fine_amt |
|------------|----------|---------|-------------------------|----------|
| 123 | Athi | L4S56 | OPERATING SYSTEM | 0 |
| 234 | Monisha | S2K09 | DIGITAL COMMUNICATION | 0 |
| 675 | Kishore | K87R4 | MACHINE LEARNING | 20 |
| 876 | Kiran | L90U6 | DATA STRUCTURES IN JAVA | 11 |
| 978 | kavya | W4H89 | SIGNALS AND SYSYSTEMS | 98 |
| NULL | NULL | NULL | NULL | NULL |

lib 1 x

Output

Action Output

| # | Time | Action | Message | Duration / Fetch |
|------|----------|-------------------------------------------------------------------------|-------------------|-----------------------|
| ✓ 37 | 21:40:40 | insert into lib values(234,"Monisha","S2K09","DIGITAL COMMUNICATION",0) | 1 row(s) affected | 0.078 sec |
| ✓ 38 | 21:40:40 | select *from lib LIMIT 0, 1000 | 5 row(s) returned | 0.000 sec / 0.000 sec |

Object Info Session

Activate Windows
Go to Settings to activate Windows.

9:41 PM
7/24/2023

5. FAMILY

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SQL File 3* SQL File 3* DGT library SQL File 6* x

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Administration Schemas

Information

No object selected

Object Info Session

SQL File 6* x

Limit to 1000 rows

```
1 • CREATE DATABASE FAM;
2 • USE FAM;
3 • create table fams( total_family_numbers int(4),family_head_name varchar(15),monthly_budget numeric(40),no_of_vehicles numeric(20),no_of_pets numeric(20));
4 • insert into fams values(4,"Murugesan",12000,2,1);
5 • insert into fams values(3,"Eswari",25000,3,2);
6 • insert into fams values(6,"Saravanan",28000,4,0);
7 • insert into fams values(2,"Maheswari",19500,1,2);
8 • insert into fams values(5,"Mani",27000,5,3);
9 • select *from fams;
```

Result Grid

| | total_family_numbers | family_head_name | monthly_budget | no_of_vehicles | no_of_pets |
|-----|----------------------|------------------|----------------|----------------|------------|
| ▶ 4 | | Murugesan | 12000 | 2 | 1 |
| 3 | | Eswari | 25000 | 3 | 2 |
| 6 | | Saravanan | 28000 | 4 | 0 |
| 2 | | Maheswari | 19500 | 1 | 2 |
| 5 | | Mani | 27000 | 5 | 3 |

fams 1 x Read Only

Output

Action Output

| # | Time | Action | Message | Duration / Fetch |
|------|----------|---------------------------------------------|-------------------|-----------------------|
| ✓ 54 | 22:01:34 | insert into fams values(5,"Mani",27000,5,3) | 1 row(s) affected | 0.156 sec |
| ✓ 55 | 22:01:34 | select *from fams LIMIT 0, 1000 | 5 row(s) returned | 0.000 sec / 0.000 sec |

Activate Windows
Go to Settings to activate Windows.

10:01 PM
7/24/2023