

RDS MySQL + EC2 Project Commands (Git Bash)

1. EC2 Instance Login

Give key file correct permissions

```
chmod 400 aws-key.pem
```

Connect to EC2 instance

```
ssh -i aws-key.pem ubuntu@<EC2-Public-IP>
```

Prompt will change like:

```
ubuntu@ip-172-31-22-33:~$
```

2. Install MySQL Client on EC2

```
sudo apt update
```

```
sudo apt install mysql-client -y
```

3. Connect to RDS MySQL Database

```
mysql -h <RDS-ENDPOINT> -P 3306 -u admin -p
```

h → RDS endpoint (from AWS RDS console)

P → Port (default 3306)

u → Username (admin)

p → Ask for password

If successful, prompt changes to:

```
mysql>
```

4. MySQL Queries

Create database

```
CREATE DATABASE EmployeeDB;
```

Select database

```
USE EmployeeDB;
```

Create table

```
CREATE TABLE Employee (  
    emp_id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(50),  
    department VARCHAR(50),  
    salary DECIMAL(10,2));
```

Insert sample records

```
INSERT INTO Employee (name, department, salary) VALUES  
( 'Aarti Kotmire', 'HR', 45000.00),  
( 'Rahul Sharma', 'IT', 60000.00),  
( 'Priya Singh', 'Finance', 50000.00);
```

View all employees

```
SELECT * FROM Employee;
```

Filter employees

```
SELECT name, department FROM Employee WHERE salary > 50000;
```