mysql> CREATE DATABASE Employee;

Query OK, 1 row affected (0.06 sec)

mysql> use Employee

Database changed

mysql> CREATE TABLE Employee (

-> e\_id INT PRIMARY KEY,

-> name VARCHAR(255),

-> street VARCHAR(255),

-> city VARCHAR(255)

-> );

Query OK, 0 rows affected (0.08 sec)

mysql> CREATE TABLE Works (

-> e\_id INT,

-> company\_name VARCHAR(255),

-> salary DECIMAL(10, 2),

-> FOREIGN KEY (e\_id) REFERENCES Employee(e\_id),

-> FOREIGN KEY (company\_name) REFERENCES Company(company\_name)

-> );

ERROR 1824 (HY000): Failed to open the referenced table 'company'

mysql> CREATE TABLE Company (

-> company\_name VARCHAR(255) PRIMARY KEY,

-> city VARCHAR(255)

-> );

Query OK, 0 rows affected (0.02 sec)

mysql> CREATE TABLE Works (

-> e\_id INT,

-> company\_name VARCHAR(255),

-> salary DECIMAL(10, 2),

-> FOREIGN KEY (e\_id) REFERENCES Employee(e\_id),

-> FOREIGN KEY (company\_name) REFERENCES Company(company\_name)

-> );

Query OK, 0 rows affected (0.05 sec)

mysql> CREATE TABLE Manages (

-> e\_id INT,

-> dept\_name VARCHAR(255),

-> FOREIGN KEY (e\_id) REFERENCES Employee(e\_id)

-> );

Query OK, 0 rows affected (0.02 sec)

mysql> INSERT INTO Employee (e\_id, name, street, city)

-> VALUES

-> (1, 'John Doe', '123 Main St', 'New York'),

-> (2, 'Alice Smith', '456 Elm St', 'Los Angeles'),

-> (3, 'Bob Johnson', '789 Oak St', 'Chicago'),

-> (4, 'Eve Wilson', '101 Pine St', 'San Francisco');

Query OK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Company (company\_name, city)

-> VALUES

-> ('ABC', 'New York'),

-> ('XYZ', 'Los Angeles'),

-> ('DEF', 'Chicago'),

-> ('MNO', 'San Francisco');

Query OK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Works (e\_id, company\_name, salary)

-> VALUES

-> (1, 'ABC', 60000),

-> (2, 'ABC', 55000),

-> (3, 'XYZ', 58000),

-> (4, 'DEF', 62000);

Query OK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Manages (e\_id, dept\_name)

-> VALUES

-> (1, 'HR'),

-> (2, 'Finance'),

-> (3, 'Engineering'),

-> (4, 'Sales');

Query OK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> SHOW TABLES;

+--------------------+

| Tables\_in\_employee |

+--------------------+

| company |

| employee |

| manages |

| works |

+--------------------+

4 rows in set (0.03 sec)

mysql> select \* From company

-> SELECT \* FROM Employee;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'SELECT \* FROM Employee' at line 2

mysql> SELECT \* FROM Employee;

+------+-------------+-------------+---------------+

| e\_id | name | street | city |

+------+-------------+-------------+---------------+

| 1 | John Doe | 123 Main St | New York |

| 2 | Alice Smith | 456 Elm St | Los Angeles |

| 3 | Bob Johnson | 789 Oak St | Chicago |

| 4 | Eve Wilson | 101 Pine St | San Francisco |

+------+-------------+-------------+---------------+

4 rows in set (0.00 sec)

mysql> SELECT \* FROM Company;

+--------------+---------------+

| company\_name | city |

+--------------+---------------+

| ABC | New York |

| DEF | Chicago |

| MNO | San Francisco |

| XYZ | Los Angeles |

+--------------+---------------+

4 rows in set (0.00 sec)

mysql> SELECT \* FROM Works;

+------+--------------+----------+

| e\_id | company\_name | salary |

+------+--------------+----------+

| 1 | ABC | 60000.00 |

| 2 | ABC | 55000.00 |

| 3 | XYZ | 58000.00 |

| 4 | DEF | 62000.00 |

+------+--------------+----------+

4 rows in set (0.00 sec)

mysql> SELECT \* FROM Manages;

+------+-------------+

| e\_id | dept\_name |

+------+-------------+

| 1 | HR |

| 2 | Finance |

| 3 | Engineering |

| 4 | Sales |

+------+-------------+

4 rows in set (0.00 sec)

mysql> CREATE VIEW ABC\_Employees AS

-> SELECT e.name, w.salary

-> FROM Employee e

-> JOIN Works w ON e.e\_id = w.e\_id

-> WHERE w.company\_name = 'ABC';

Query OK, 0 rows affected (0.01 sec)

mysql> SELECT \* FROM ABC\_Employees;

+-------------+----------+

| name | salary |

+-------------+----------+

| John Doe | 60000.00 |

| Alice Smith | 55000.00 |

+-------------+----------+

2 rows in set (0.00 sec)

mysql> ALTER VIEW ABC\_Employees AS

-> SELECT e.name, w.salary

-> FROM Employee e

-> JOIN Works w ON e.e\_id = w.e\_id

-> WHERE w.company\_name = 'ABC' AND w.salary > 50000;

Query OK, 0 rows affected (0.00 sec)

mysql> SELECT \* FROM ABC\_Employees;

+-------------+----------+

| name | salary |

+-------------+----------+

| John Doe | 60000.00 |

| Alice Smith | 55000.00 |

+-------------+----------+

2 rows in set (0.00 sec)

mysql> ALTER VIEW ABC\_Employees RENAME TO ABC\_High\_Salary\_Employees;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'RENAME TO ABC\_High\_Salary\_Employees' at line 1

mysql> CREATE VIEW ABC\_High\_Salary\_Employees AS

-> SELECT e.name, w.salary

-> FROM Employee e

-> JOIN Works w ON e.e\_id = w.e\_id

-> WHERE w.company\_name = 'ABC' AND w.salary > 50000;

Query OK, 0 rows affected (0.01 sec)

mysql> DROP VIEW ABC\_Employees;

Query OK, 0 rows affected (0.00 sec)

mysql> SELECT \* FROM ABC\_High\_Salary\_Employees;

+-------------+----------+

| name | salary |

+-------------+----------+

| John Doe | 60000.00 |

| Alice Smith | 55000.00 |

+-------------+----------+

2 rows in set (0.00 sec)