mysql> CREATE DATABASE STAFF;

Query OK, 1 row affected (0.07 sec)

mysql> USE STAFF;

Database changed

mysql> CREATE TABLE Department(

-> DeptID INT,

-> DeptName VARCHAR(100)

-> );

Query OK, 0 rows affected (0.06 sec)

mysql> CREATE TABLE Employee(

-> EmpID INT,

-> EmpName VARCHAR(100),

-> DeptID INT

-> );

Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO Department(DeptID, DeptName)VALUES

-> (101, 'Computer science'),

-> (102, 'mechanical'),

-> (103, 'civil');

Query OK, 3 rows affected (0.02 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Employee(EmpID, EmpName, DeptID)VALUES

-> (1, 'alice',101),

-> (2, 'bob',102),

-> (3, 'charlie',101),

-> (4, 'david',102);

Query OK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> SELECT Employee.EmpName, Department.DeptName

-> FROM Employee, Department

-> WHERE Employee.DeptID = Department.DeptID;

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

| EmpName | DeptName |

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

| alice | Computer science |

| bob | mechanical |

| charlie | Computer science |

| david | mechanical |

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

4 rows in set (0.01 sec)

mysql> SELECT Employee.EmpName, Department.DeptName

-> FROM Employee

-> INNER JOIN Department ON Employee.DeptID = Department.DeptID;

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

| EmpName | DeptName |

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

| alice | Computer science |

| bob | mechanical |

| charlie | Computer science |

| david | mechanical |

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

4 rows in set (0.00 sec)

mysql> SELECT Employee.EmpName, Department.DeptName

-> FROM Employee

-> LEFT OUTER JOIN Department ON Employee.DeptID = Department.DeptID;

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

| EmpName | DeptName |

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

| alice | Computer science |

| bob | mechanical |

| charlie | Computer science |

| david | mechanical |

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

4 rows in set (0.01 sec)

mysql> SHOW Tables;

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

| Tables\_in\_staff |

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

| department |

| employee |

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

2 rows in set (0.03 sec)