CREATE DATABASE FACULTY;

Query OK, 1 row affected (0.04 sec)

mysql>

mysql>

mysql>

mysql>

mysql> USE FACULTY

Database changed

mysql> CREATE TABLE Department(

-> DeptID INT,

-> DeptName VARCHAR(100)

-> );

Query OK, 0 rows affected (0.07 sec)

mysql> CREATE TABLE Employee(

-> EmpID INT,

-> EmpName VARCHAR(100),

-> DeptID INT

-> );

Query OK, 0 rows affected (0.06 sec)

mysql> INSERT INTO Department(DeptID, DeptName)VALUES

-> (101, 'Computer science'),

-> (102, 'mechanical'),

-> (103, 'civil');

Query OK, 3 rows affected (0.04 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),

-> (5, 'eve',103);

Query OK, 5 rows affected (0.04 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> SELECT EmpName FROM Employee WHERE DeptID IN (SELECT DeptID FROM Department WHERE

-> DeptName = 'Computer Science');

+---------+

| EmpName |

+---------+

| alice |

| charlie |

+---------+

2 rows in set (0.03 sec)

mysql> SELECT EmpName FROM Employee e WHERE EXISTS (SELECT 1 FROM Department d WHERE e.DeptID

-> = d.DeptID AND d.DeptName = 'Mechanical');

+---------+

| EmpName |

+---------+

| bob |

| david |

+---------+

2 rows in set (0.00 sec)

mysql> SHOW Tables;

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

| Tables\_in\_faculty |

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

| department |

| employee |

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

2 rows in set (0.00 sec)

mysql>