mysql> create table Department(department\_id integer primary key,department\_name varchar(50));

Query OK, 0 rows affected (1.17 sec)

mysql> create table Employee(empoyee\_id integer primary key,first\_name varchar(15),Last\_name varchar(15),department\_id integer, FOREIGN KEY(department\_id) REFERENCES department(department\_id));

Query OK, 0 rows affected (1.64 sec)

mysql> desc department;

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

| Field | Type | Null | Key | Default | Extra |

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

| department\_id | int | NO | PRI | NULL | |

| department\_name | varchar(50) | YES | | NULL | |

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

2 rows in set (0.10 sec)

mysql> insert into department values(1,"cs"),(2,""),(3,"it"),(4,"cs"),(5,"entc");

Query OK, 5 rows affected (0.22 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> desc employee;

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

| Field | Type | Null | Key | Default | Extra |

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

| empoyee\_id | int | NO | PRI | NULL | |

| first\_name | varchar(15) | YES | | NULL | |

| Last\_name | varchar(15) | YES | | NULL | |

| department\_id | int | YES | MUL | NULL | |

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

4 rows in set (0.00 sec)

mysql> insert into employee values(1,"jaya","mergu",1);

Query OK, 1 row affected (0.14 sec)

mysql> insert into employee values(2,"jk","kim",2);

Query OK, 1 row affected (0.16 sec)

mysql> insert into employee values(3,"jungkook","jeon",3);

Query OK, 1 row affected (0.08 sec)

mysql> insert into employee values(4,"jimin","park",4);

Query OK, 1 row affected (0.26 sec)

mysql> insert into employee values(5,"rohit","park",5);

Query OK, 1 row affected (0.10 sec)

Mysql>SELECT department.department\_id, department.department\_name, employee.first\_name, employee.Last\_name

-> FROM department

-> LEFT JOIN employee ON department.department\_id = employee.department\_id;

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

| department\_id | department\_name | first\_name | Last\_name |

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

| 1 | cs | jaya | mergu |

| 2 | | jk | kim |

| 3 | it | jungkook | jeon |

| 4 | cs | jimin | park |

| 5 | entc | rohit | park |

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

5 rows in set (0.00 sec)