**Assignment 02 DML**

mysql> use fb\_sql;

Database changed

mysql> show tables;

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

| Tables\_in\_fb\_sql |

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

| country |

| departments |

| employees |

| job\_histry |

| jobs |

| jobs2 |

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

6 rows in set (0.00 sec)

mysql> desc employees;

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

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

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

| emp\_id | int | NO | PRI | NULL | |

| f\_name | varchar(25) | YES | | NULL | |

| l\_name | varchar(25) | YES | | NULL | |

| email | varchar(50) | YES | | NULL | |

| phone | int | YES | | NULL | |

| hire\_date | date | YES | | NULL | |

| salary | decimal(10,2) | YES | | NULL | |

| commission | decimal(7,2) | YES | | NULL | |

| department\_id | decimal(4,0) | YES | MUL | NULL | |

| manager\_id | decimal(6,0) | YES | | NULL | |

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

10 rows in set (0.00 sec)

mysql> insert into employees

-> (emp\_id, f\_name, l\_name, email, phone, hire\_date, salary, commission, department\_id, manager\_id)

-> values

-> (100, 'Steven', 'King', 'SKING', 5151234567, '1987-06-17', 24000.00, 0.00, 10, 200),

-> (101, 'Neena', 'Kochhar', 'NKOCHHAR', 5151234568, '1987-06-18', 17000.00, 0.00, 10, 200),

-> (102, 'Lex', 'De Haan', 'LDEHAAN', 5151234569, '1987-06-19', 17000.00, 0.00, 10, 200),

-> (103, 'Alexander', 'Hunold', 'AHUNOLD', 5904234567, '1987-06-20', 9000.00, 0.00, 60, 103),

-> (104, 'Bruce', 'Ernst', 'BERNST', 5904234568, '1987-06-21', 6000.00, 0.00, 60, 103),

-> (105, 'David', 'Austin', 'DAUSTIN', 5904234569, '1987-06-22', 4800.00, 0.00, 60, 103),

-> (106, 'Valli', 'Pataballa', 'VPATABAL', 5904234560, '1987-06-23', 4800.00, 0.00, 60, 103),

-> (107, 'Diana', 'Lorentz', 'DLORENTZ', 5904235567, '1987-06-24', 4200.00, 0.00, 30, 114),

-> (108, 'Nancy', 'Greenberg', 'NGREENBE', 5151244569, '1987-06-25', 12000.00, 0.00, 80, 145),

-> (109, 'Daniel', 'Faviet', 'DFAVIET', 5151244169, '1987-06-26', 9000.00, 0.00, 80, 145);

ERROR 1264 (22003): Out of range value for column 'phone' at row 1

mysql> show create table employees

-> ;+-----------+--------------------------------------------------------------------

| Table | Create Table |+-----------+------------------------------------------------------------------------------------------------------------------------------------------+

| employees | CREATE TABLE `employees` (

`emp\_id` int NOT NULL,

`f\_name` varchar(25) DEFAULT NULL,

`l\_name` varchar(25) DEFAULT NULL,

`email` varchar(50) DEFAULT NULL,

`phone` int DEFAULT NULL,

`hire\_date` date DEFAULT NULL,

`salary` decimal(10,2) DEFAULT NULL,

`commission` decimal(7,2) DEFAULT NULL,

`department\_id` decimal(4,0) DEFAULT NULL,

`manager\_id` decimal(6,0) DEFAULT NULL,

PRIMARY KEY (`emp\_id`),

KEY `department\_id` (`department\_id`,`manager\_id`),

CONSTRAINT `employees\_ibfk\_1` FOREIGN KEY (`department\_id`, `manager\_id`) REFERENCES `departments` (`DEPARTMENT\_ID`, `MANAGER\_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci |

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

1 row in set (0.00 sec)

mysql> alter table employees

-> modify phone varchar(15);

Query OK, 0 rows affected (0.10 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> insert into employees

-> (emp\_id, f\_name, l\_name, email, phone, hire\_date, salary, commission, department\_id, manager\_id)

-> values

-> (100, 'Steven', 'King', 'SKING', 5151234567, '1987-06-17', 24000.00, 0.00, 10, 200),

-> (101, 'Neena', 'Kochhar', 'NKOCHHAR', 5151234568, '1987-06-18', 17000.00, 0.00, 10, 200),

-> (102, 'Lex', 'De Haan', 'LDEHAAN', 5151234569, '1987-06-19', 17000.00, 0.00, 10, 200),

-> (103, 'Alexander', 'Hunold', 'AHUNOLD', 5904234567, '1987-06-20', 9000.00, 0.00, 60, 103),

-> (104, 'Bruce', 'Ernst', 'BERNST', 5904234568, '1987-06-21', 6000.00, 0.00, 60, 103),

-> (105, 'David', 'Austin', 'DAUSTIN', 5904234569, '1987-06-22', 4800.00, 0.00, 60, 103),

-> (106, 'Valli', 'Pataballa', 'VPATABAL', 5904234560, '1987-06-23', 4800.00, 0.00, 60, 103),

-> (107, 'Diana', 'Lorentz', 'DLORENTZ', 5904235567, '1987-06-24', 4200.00, 0.00, 30, 114),

-> (108, 'Nancy', 'Greenberg', 'NGREENBE', 5151244569, '1987-06-25', 12000.00, 0.00, 80, 145),

-> (109, 'Daniel', 'Faviet', 'DFAVIET', 5151244169, '1987-06-26', 9000.00, 0.00, 80, 145);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`fb\_sql`.`employees`, CONSTRAINT `employees\_ibfk\_1` FOREIGN KEY (`department\_id`, `manager\_id`) REFERENCES `departments` (`DEPARTMENT\_ID`, `MANAGER\_ID`))

Empty set (0.01 sec)

mysql> insert into departments (DEPARTMENT\_ID, DEPARTMENT\_NAME, MANAGER\_ID, LOCATION\_ID)

-> values

-> (10, 'Administration', 200, 1000),

-> (60, 'IT', 103, 2000),

-> (30, 'Sales', 114, 3000),

-> (80, 'Marketing', 145, 4000);

Query OK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> insert into employees

-> (emp\_id, f\_name, l\_name, email, phone, hire\_date, salary, commission, department\_id, manager\_id)

-> values

-> (100, 'Steven', 'King', 'SKING', 5151234567, '1987-06-17', 24000.00, 0.00, 10, 200),

-> (101, 'Neena', 'Kochhar', 'NKOCHHAR', 5151234568, '1987-06-18', 17000.00, 0.00, 10, 200),

-> (102, 'Lex', 'De Haan', 'LDEHAAN', 5151234569, '1987-06-19', 17000.00, 0.00, 10, 200),

-> (103, 'Alexander', 'Hunold', 'AHUNOLD', 5904234567, '1987-06-20', 9000.00, 0.00, 60, 103),

-> (104, 'Bruce', 'Ernst', 'BERNST', 5904234568, '1987-06-21', 6000.00, 0.00, 60, 103),

-> (105, 'David', 'Austin', 'DAUSTIN', 5904234569, '1987-06-22', 4800.00, 0.00, 60, 103),

-> (106, 'Valli', 'Pataballa', 'VPATABAL', 5904234560, '1987-06-23', 4800.00, 0.00, 60, 103),

-> (107, 'Diana', 'Lorentz', 'DLORENTZ', 5904235567, '1987-06-24', 4200.00, 0.00, 30, 114),

-> (108, 'Nancy', 'Greenberg', 'NGREENBE', 5151244569, '1987-06-25', 12000.00, 0.00, 80, 145),

-> (109, 'Daniel', 'Faviet', 'DFAVIET', 5151244169, '1987-06-26', 9000.00, 0.00, 80, 145);

Query OK, 10 rows affected (0.02 sec)

Records: 10 Duplicates: 0 Warnings: 0



