

```

mohito@Victus: ~
mysql> commit;
Query OK, 0 rows affected (0.00 sec)

mysql> select * from employee;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| fname | minit | lname | ssn      | bdate   | address                    | sex | salary | super_ssn | dno |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| John  | B     | Smith | 123456789 | 1965-01-09 | 731 Fondren, Houston, TX | M   | 30000.00 | 333445555 | 5   |
| Mohit | A     | Naik  | 2022076  | 2003-11-07 | IIIT-Bangalore           | M   | 100000.00 | NULL      | 5   |
| Franklin | T   | Wong  | 333445555 | 1955-01-09 | 638 Fondren, Houston, TX | M   | 40000.00 | 888665555 | 5   |
| Joyce | A     | English | 453453453 | 1972-01-09 | 5631 Fondren, Houston, TX | F   | 25000.00 | 2022076   | 5   |
| Ramesh | K   | Narayan | 666884444 | 1962-01-09 | 975 Fondren, Houston, TX | M   | 38000.00 | 333445555 | 5   |
| James | E     | Borg  | 888665555 | 1937-01-09 | 450 Fondren, Houston, TX | M   | 55000.00 | NULL      | 1   |
| Jennifer | S   | Wallace | 987654321 | 1941-01-09 | 21 Fondren, Houston, TX  | F   | 43000.00 | 888665555 | 4   |
| Ahmad | V     | Jabbar | 987987987 | 1969-01-09 | 980 Fondren, Houston, TX | M   | 25000.00 | 987654321 | 4   |
| Alicia | J    | Zelaya | 999887777 | 1968-01-09 | 3321 Fondren, Houston, TX | F   | 25000.00 | 987654321 | 4   |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
9 rows in set (0.00 sec)

mysql> |

```

Commit – You can see that the inserted row (Mohit Naik) is added.

```

Connecting to database...
Inserting one row....
Enter SSN of employee whose supervisor to be modified: 999999999
java.sql.SQLIntegrityConstraintViolationException: Cannot add or update a child row: a foreign key constraint fails (`companydb`.`employee`, CONSTRAINT `fk_super_ssn` FOREIGN KEY (`super_ssn`) REFERENCES `employee` (`ssn`))
    at com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:118)
    at com.mysql.cj.jdbc.exceptions.SQLExceptionsMapping.translateException(SQLExceptionsMapping.java:122)
    at com.mysql.cj.jdbc.StatementImpl.executeUpdateInternal(StatementImpl.java:1344)
    at com.mysql.cj.jdbc.StatementImpl.executeLargeUpdate(StatementImpl.java:2090)
    at com.mysql.cj.jdbc.StatementImpl.executeUpdate(StatementImpl.java:1253)
    at JdbcTransactionDemo.main(JdbcTransactionDemo.java:52)
Rolling back data here....
Goodbye!
mohito@Victus:~/java/imt2022076_shop_jdbc_project/src$

```

Rollback – I put in a wrong ssn, so it gave an exception and rolled back to the previous commit.

```

mohito@Victus: ~
mysql> select * from employee;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| fname | minit | lname | ssn      | bdate   | address                    | sex | salary | super_ssn | dno |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| John  | B     | Smith | 123456789 | 1965-01-09 | 731 Fondren, Houston, TX | M   | 30000.00 | 333445555 | 5   |
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| Ramesh | K   | Narayan | 666884444 | 1962-01-09 | 975 Fondren, Houston, TX | M   | 38000.00 | 333445555 | 5   |
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| Alicia | J    | Zelaya | 999887777 | 1968-01-09 | 3321 Fondren, Houston, TX | F   | 25000.00 | 987654321 | 4   |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)

mysql>

```

Rollback 2 – You can see that the inserted row (Mohit Naik) is not present.