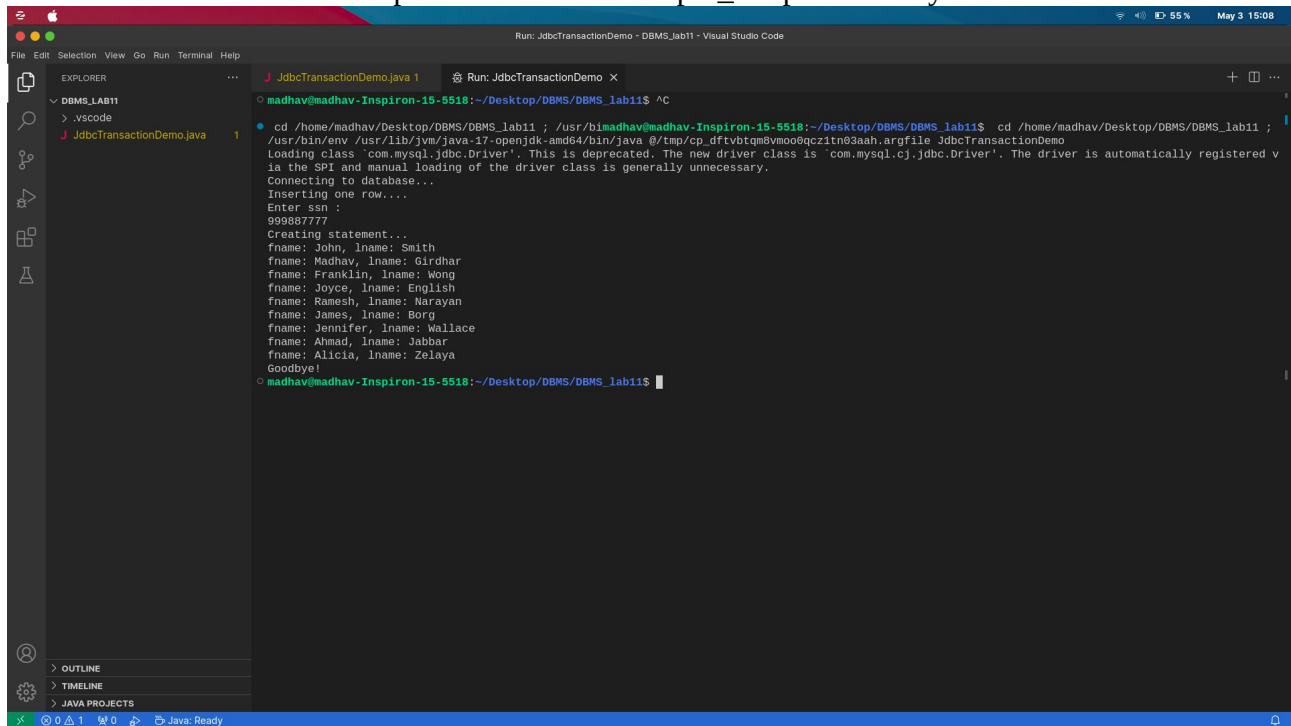


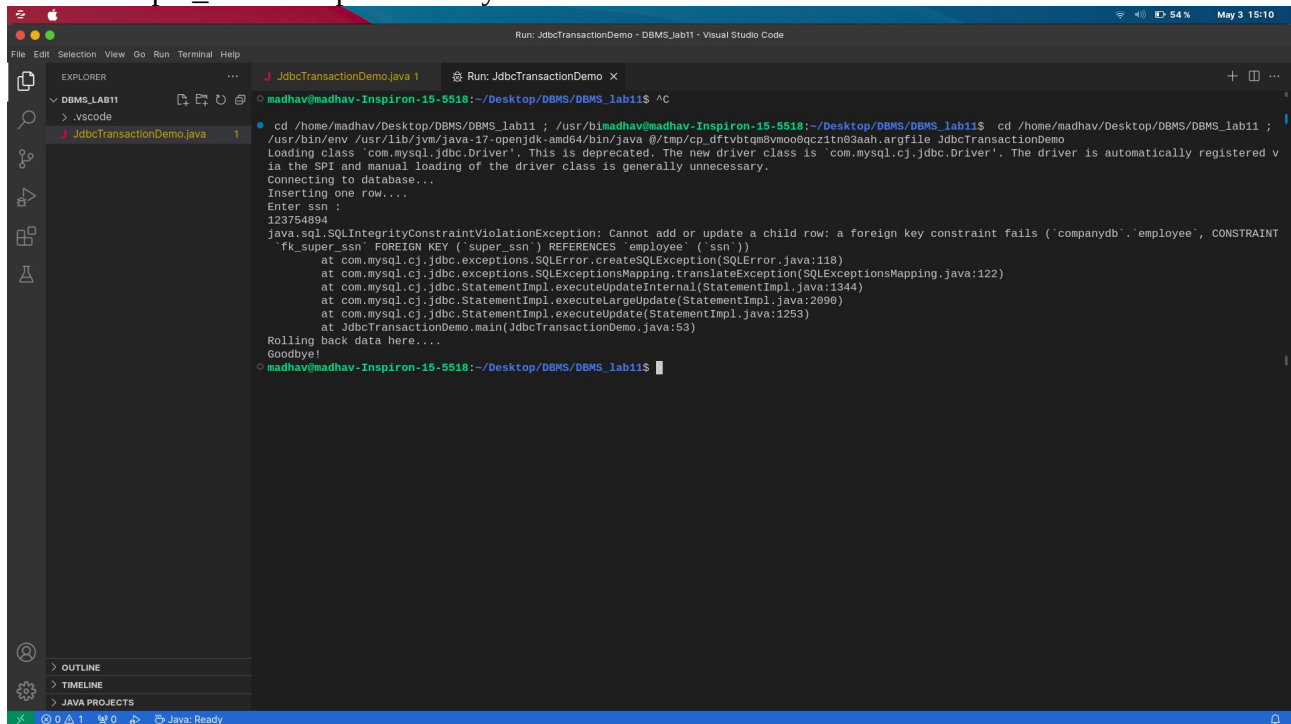
DBMS – LAB 11 (JDBC Transaction Demo)

1. When data is inserted and updated with correct super_ssn present in system.



```
Run: JdbcTransactionDemo - DBMS_Lab11 - Visual Studio Code
JdbcTransactionDemo.java 1
madhav@madhav-Inspiron-15-5518:~/Desktop/DBMS/DBMS_lab11$ ^C
cd /home/madhav/Desktop/DBMS/DBMS_lab11 ; /usr/bin/madhav@madhav-Inspiron-15-5518:~/Desktop/DBMS/DBMS_lab11$ cd /home/madhav/Desktop/DBMS/DBMS_lab11 ;
/usr/bin/env /usr/lib/jvm/java-17-openjdk-amd64/bin/java @/tmp/cp_dftvbtqm8vmoo8qczi1n83aah.argfile JdbcTransactionDemo
Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SPI and manual loading of the driver class is generally unnecessary.
Connecting to database...
Inserting one row...
Enter ssn :
999887777
Creating statement...
fname: John, lname: Smith
fname: Madhav, lname: Girdhar
fname: Franklin, lname: Wong
fname: Joyce, lname: English
fname: Ramesh, lname: Narayan
fname: James, lname: Borg
fname: Jennifer, lname: Wallace
fname: Ahmad, lname: Jabbar
fname: Alicia, lname: Zelaya
Goodbye!
madhav@madhav-Inspiron-15-5518:~/Desktop/DBMS/DBMS_lab11$
```

2. When super_ssn is not present in system so it's rollback



```
Run: JdbcTransactionDemo - DBMS_Lab11 - Visual Studio Code
JdbcTransactionDemo.java 1
madhav@madhav-Inspiron-15-5518:~/Desktop/DBMS/DBMS_lab11$ ^C
cd /home/madhav/Desktop/DBMS/DBMS_lab11 ; /usr/bin/madhav@madhav-Inspiron-15-5518:~/Desktop/DBMS/DBMS_lab11$ cd /home/madhav/Desktop/DBMS/DBMS_lab11 ;
/usr/bin/env /usr/lib/jvm/java-17-openjdk-amd64/bin/java @/tmp/cp_dftvbtqm8vmoo8qczi1n83aah.argfile JdbcTransactionDemo
Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SPI and manual loading of the driver class is generally unnecessary.
Connecting to database...
Inserting one row...
Enter ssn :
123754894
java.sql.SQLException: 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.SQLExceptionsMapping.translateException(SQLExceptionsMapping.java:122)
    at com.mysql.cj.jdbc.StatementImpl.executeUpdateInternal(StatementImpl.java:1344)
    at com.mysql.cj.jdbc.StatementImpl.executeUpdateLargeUpdate(StatementImpl.java:2698)
    at com.mysql.cj.jdbc.StatementImpl.executeUpdate(StatementImpl.java:1253)
    at JdbcTransactionDemo.main(JdbcTransactionDemo.java:53)
Rolling back data here...
Goodbye!
madhav@madhav-Inspiron-15-5518:~/Desktop/DBMS/DBMS_lab11$
```