DBMS LAB 12

IMT2023103

Successful operation:

```
Nirbhays-MacBook-Air:src nirbhay$ cd "/Users/nirbhay/Library/CloudStorage/OneDrive-iiit-b/Study/DBMS/Lab/My JDBC/JDBC/src/" && javac Demo.java && java Demo
Connecting to database...
Creating statement...
Enter ID: 999889999
Enter first name: Jake
Enter middle name: T
Enter last name: Francis
Enter birth date: 1970-01-01
Enter address: 343, Fondren, Houston, TX
Enter gender: M
Enter salary: 45000
Enter supervisor ID: 987654321
Enter Department number: 5
Employee inserted successfully.
Enter Project Number (pno): 3
Enter Hours to assign: 1
Works_on table updated successfully.
Assignment successful and committed.

--- Employee Names ---
First Name: John, Last Name: Smith
First Name: Franklin, Last Name: Wong
First Name: Joyce, Last Name: English
First Name: Ramesh, Last Name: Narayan
First Name: James, Last Name: Borg
First Name: Jennifer, Last Name: Wallace
First Name: Ahmad, Last Name: Jabbar
First Name: Alicia, Last Name: Zelaya
First Name: Jake, Last Name: Francis
End of Code
```

```
mysql> select fname,lname from employee;
+----------+---------+
| fname    | lname   |
+----------+---------+
| John     | Smith   |
| Franklin | Wong    |
| Joyce    | English |
| Ramesh   | Narayan |
| James    | Borg    |
| Jennifer | Wallace |
| Ahmad    | Jabbar  |
| Alicia   | Zelaya  |
| Jake     | Francis |
+----------+---------+
9 rows in set (0.04 sec)
```

Unsuccessful Operation:

```
Nirbhays-MacBook-Air:src nirbhay$ cd "/Users/nirbhay/Library/CloudStorage/OneDrive-iiit-b/Study/DBMS/Lab/My JDBC/JDBC/src/" && javac Demo.java && java Demo
Connecting to database...
Creating statement...
Enter ID: 333446666
Enter first name: Ankit
Enter middle name: T
Enter last name: Sharma
Enter birth date: 1991-01-01
Enter address: 99, Fondren, Houston, TX
Enter gender: M
Enter salary: 40000
Enter supervisor ID: 999889999
Enter Department number: 4
Employee inserted successfully.
Enter Project Number (pno): 10
Enter Hours to assign: 0
Works_on table updated successfully.
Assignment failed due to hours<=0. Changes rolled back.

--- Employee Names ---
First Name: John, Last Name: Smith
First Name: Franklin, Last Name: Wong
First Name: Joyce, Last Name: English
First Name: Ramesh, Last Name: Narayan
First Name: James, Last Name: Borg
First Name: Jennifer, Last Name: Wallace
First Name: Ahmad, Last Name: Jabbar
First Name: Alicia, Last Name: Zelaya
First Name: Jake, Last Name: Francis
End of Code
```

```
mysql> select fname,lname from employee;
+----------+---------+
| fname    | lname   |
+----------+---------+
| John     | Smith   |
| Franklin | Wong    |
| Joyce    | English |
| Ramesh   | Narayan |
| James    | Borg    |
| Jennifer | Wallace |
| Ahmad    | Jabbar  |
| Alicia   | Zelaya  |
| Jake     | Francis |
+----------+---------+
9 rows in set (0.00 sec)
```

Dependent Report:

```
Nirbhays-MacBook-Air:src nirbhay$ cd "/Users/nirbhay/Library/CloudStorage/OneDrive-iiit-b/Study/DBMS/Lab/My JDBC/JDBC/src/" && javac Demo.java && java Demo
Connecting to database...
Creating statement...
Employee#1 full name: John Smith
Dependent #1 : Alice (Daughter)
Dependent #2 : Elizabeth (Spouse)
Dependent #3 : Michael (Son)
* * * *
Employee#2 full name: Franklin Wong
Dependent #1 : Alice (Daughter)
Dependent #2 : Joy (Spouse)
Dependent #3 : Theodore (Son)
* * * *
Employee#3 full name: Jennifer Wallace
Dependent #1 : Abner (Spouse)
* * * *
End of Code
```