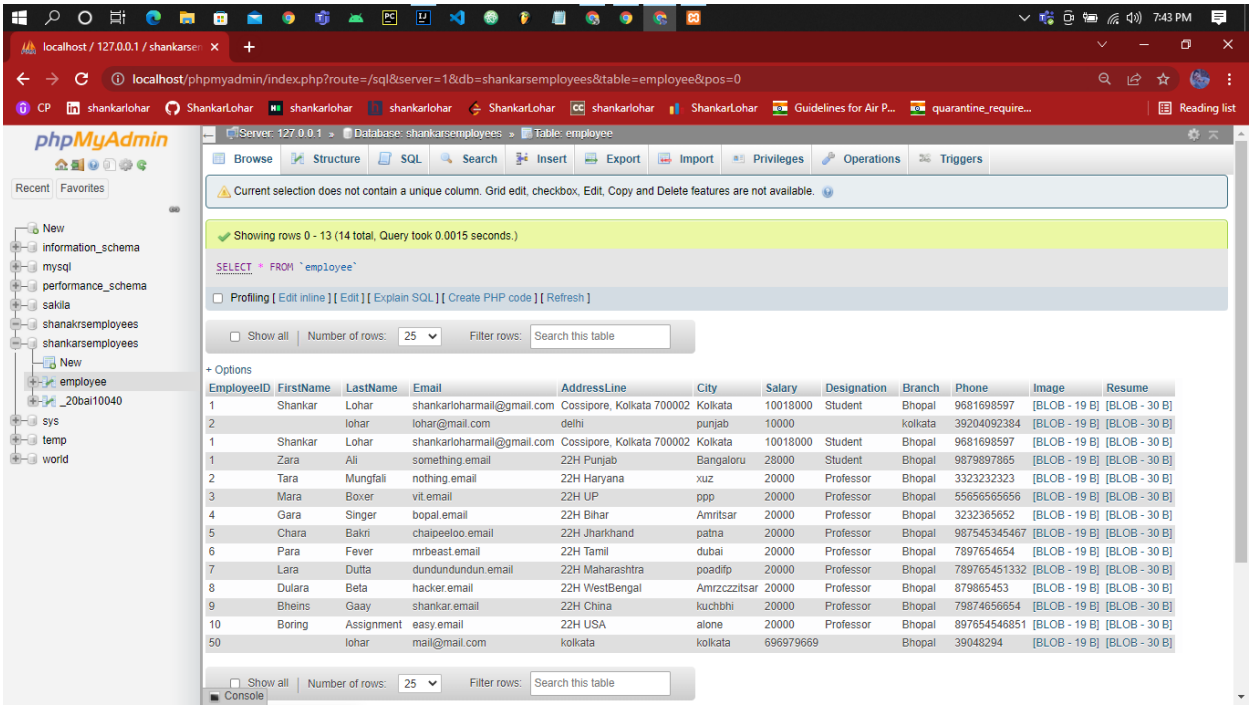
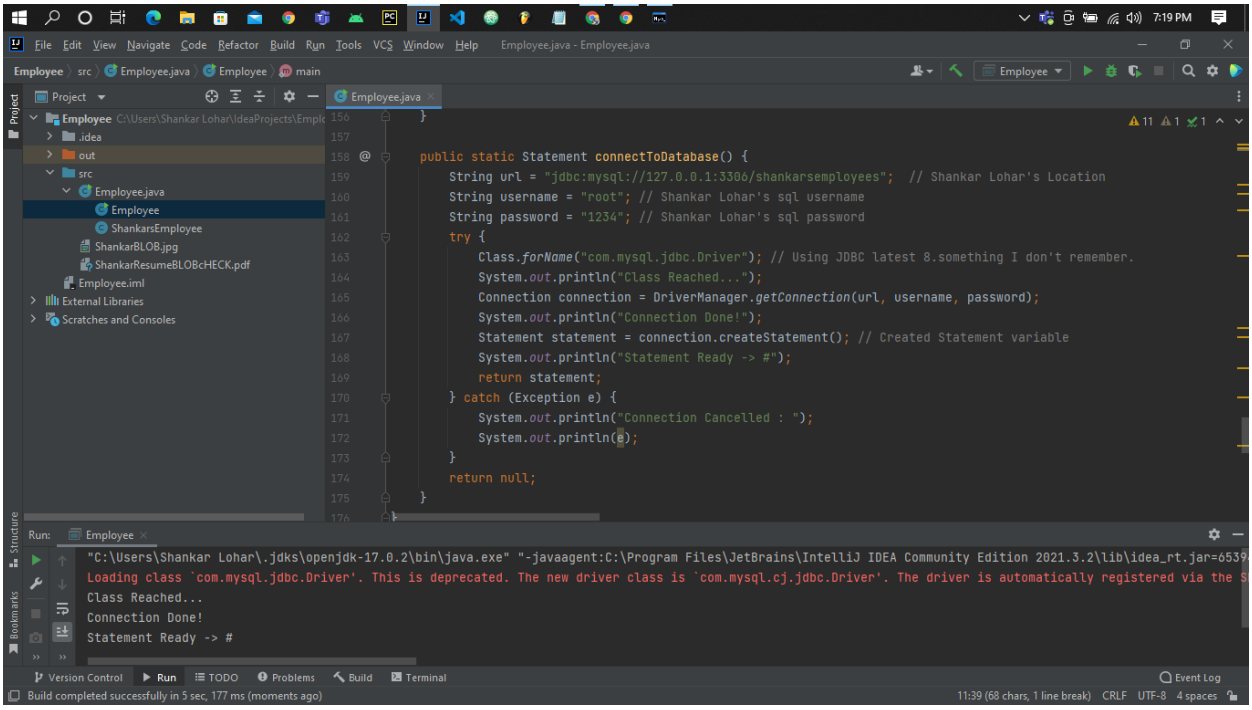
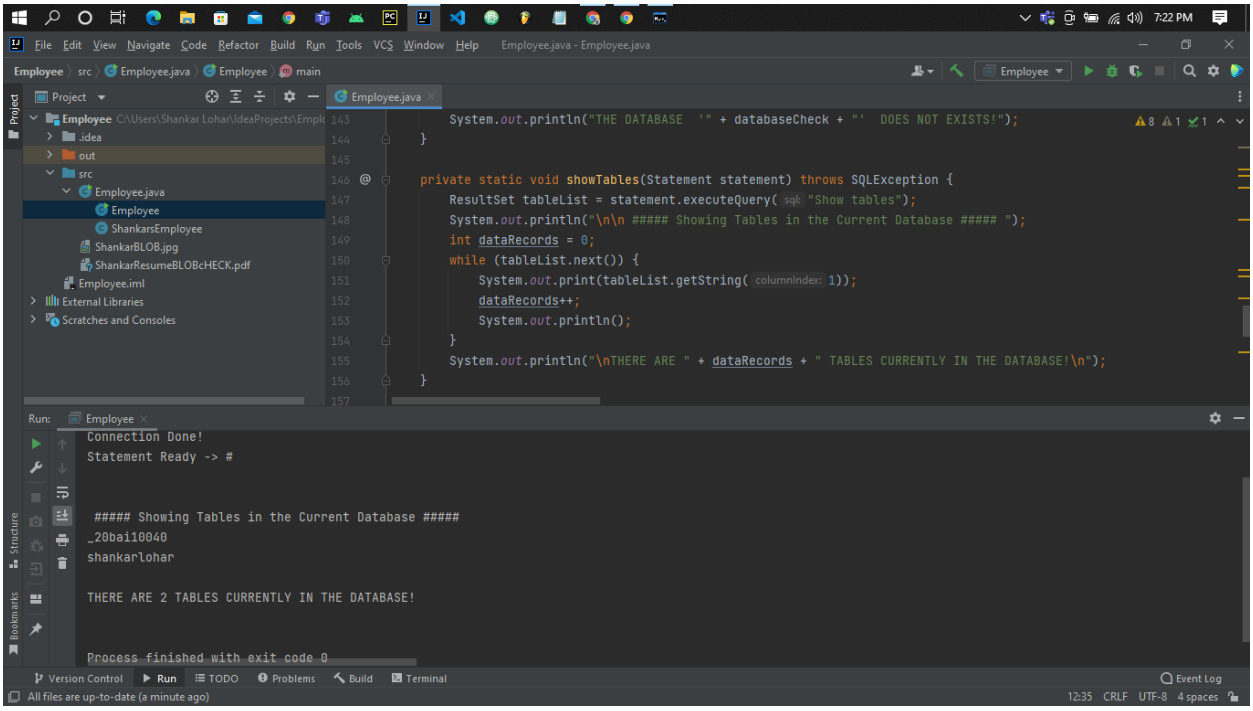
20BAI10040 SHANKAR LOHAR

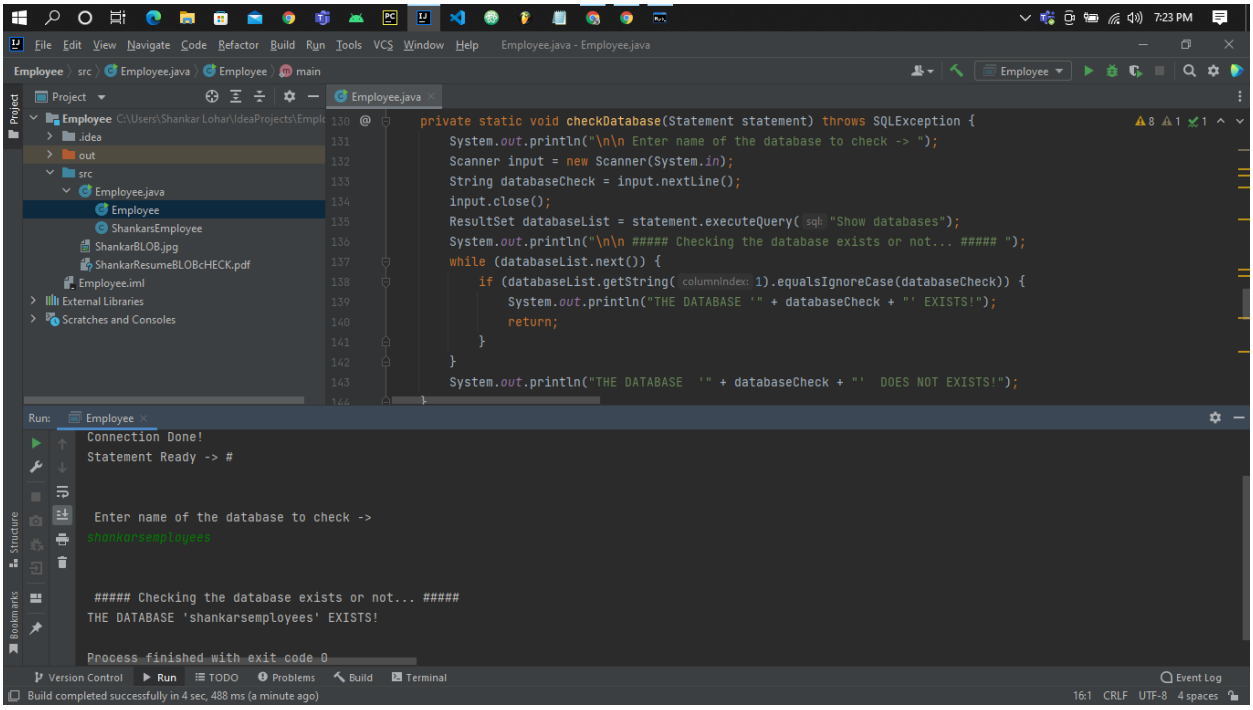
Link to Code here -
https://github.com/ShankarLohar/EmployeeManagementUsingSqlBLOBxamppOOPS

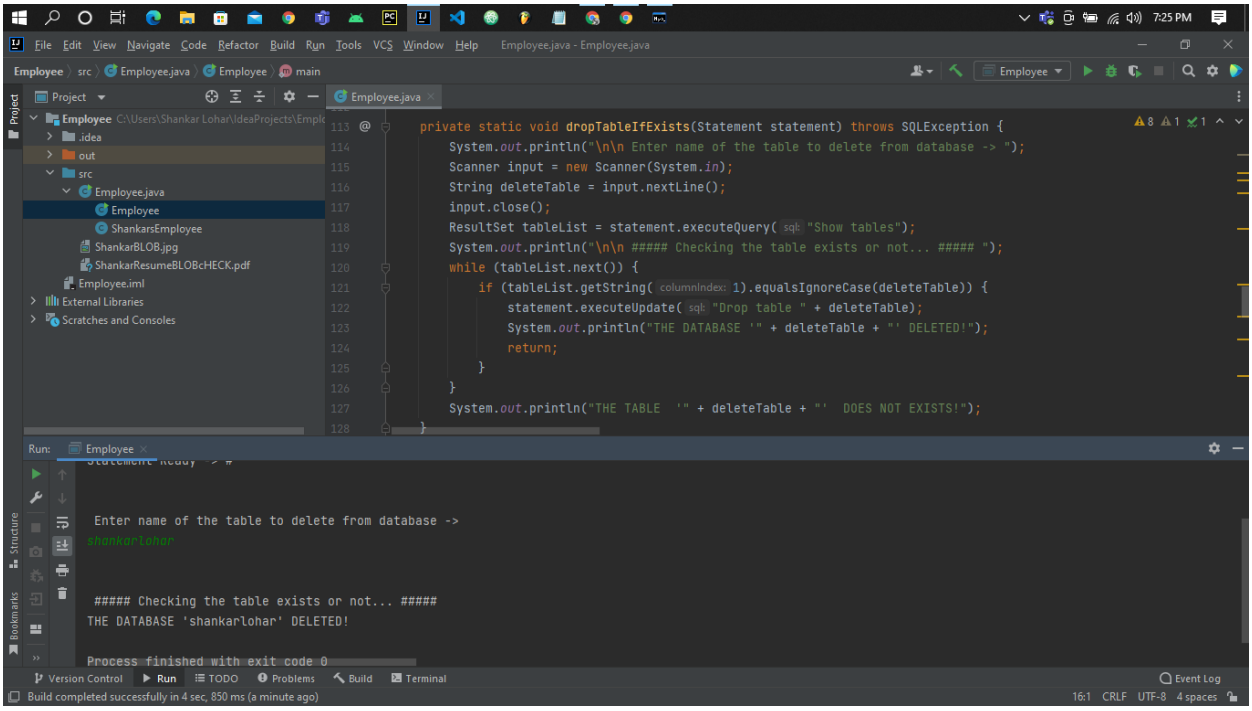
Output Screenshots **Exercise 9 and Tutorial**

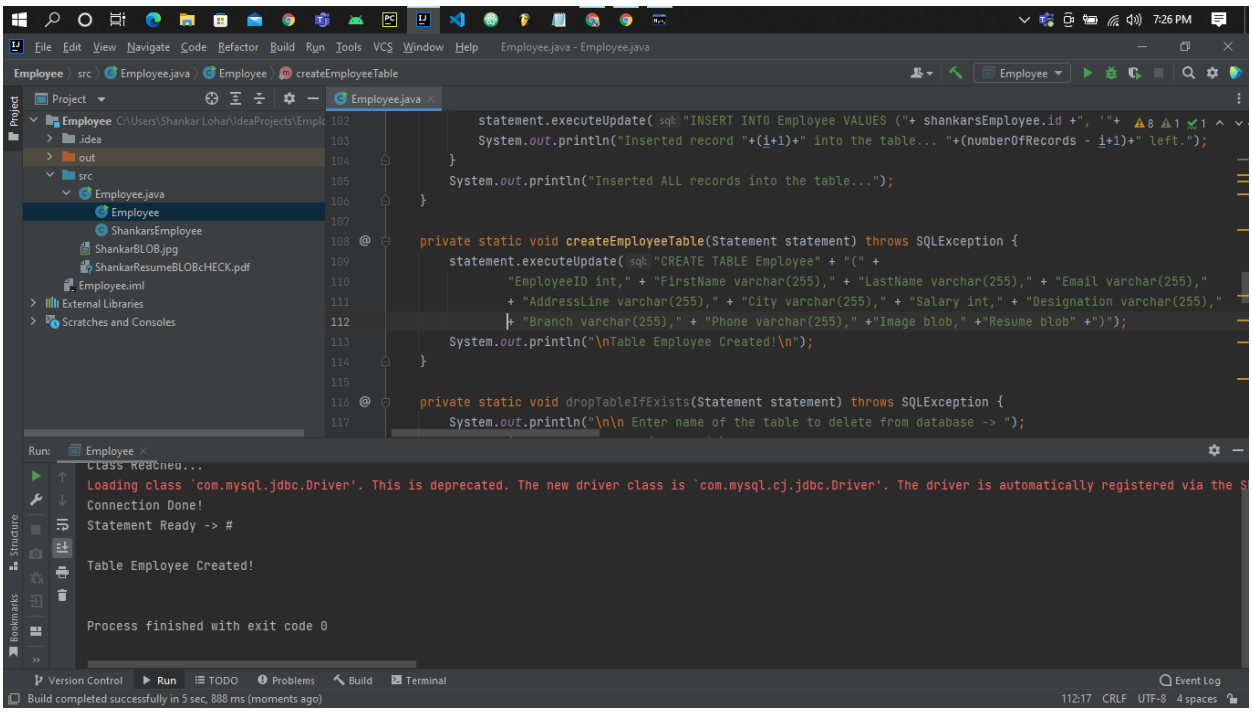


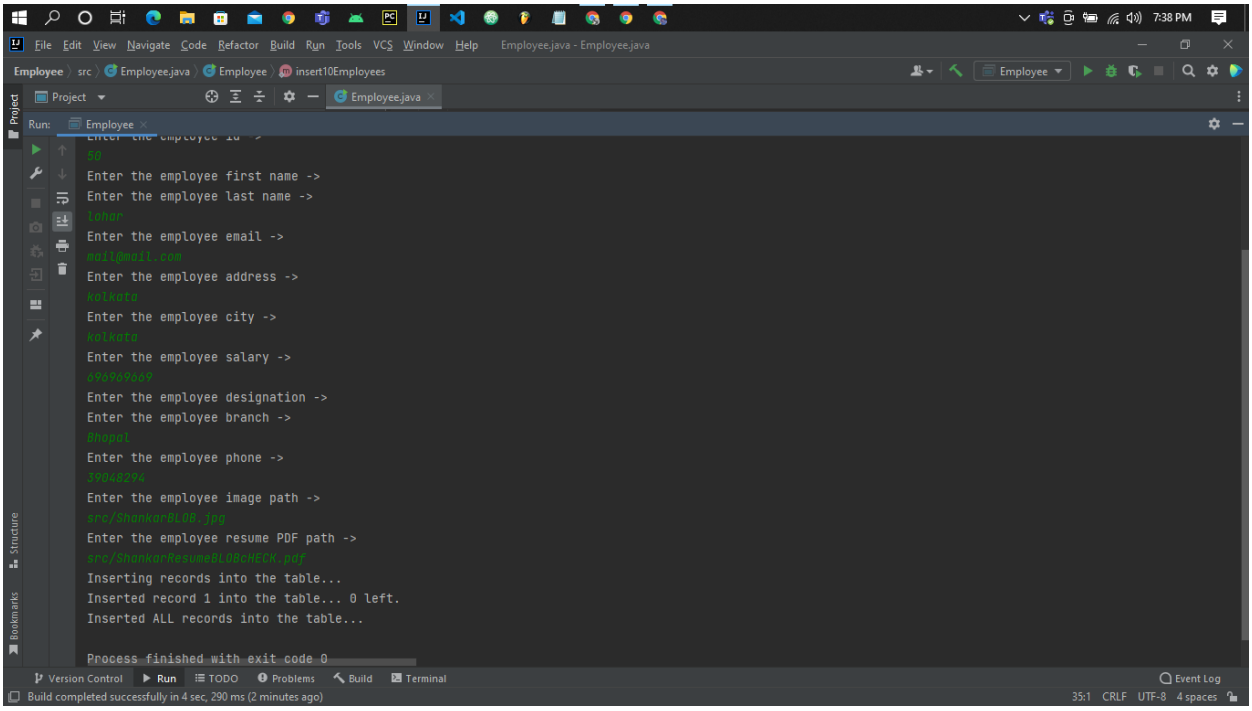


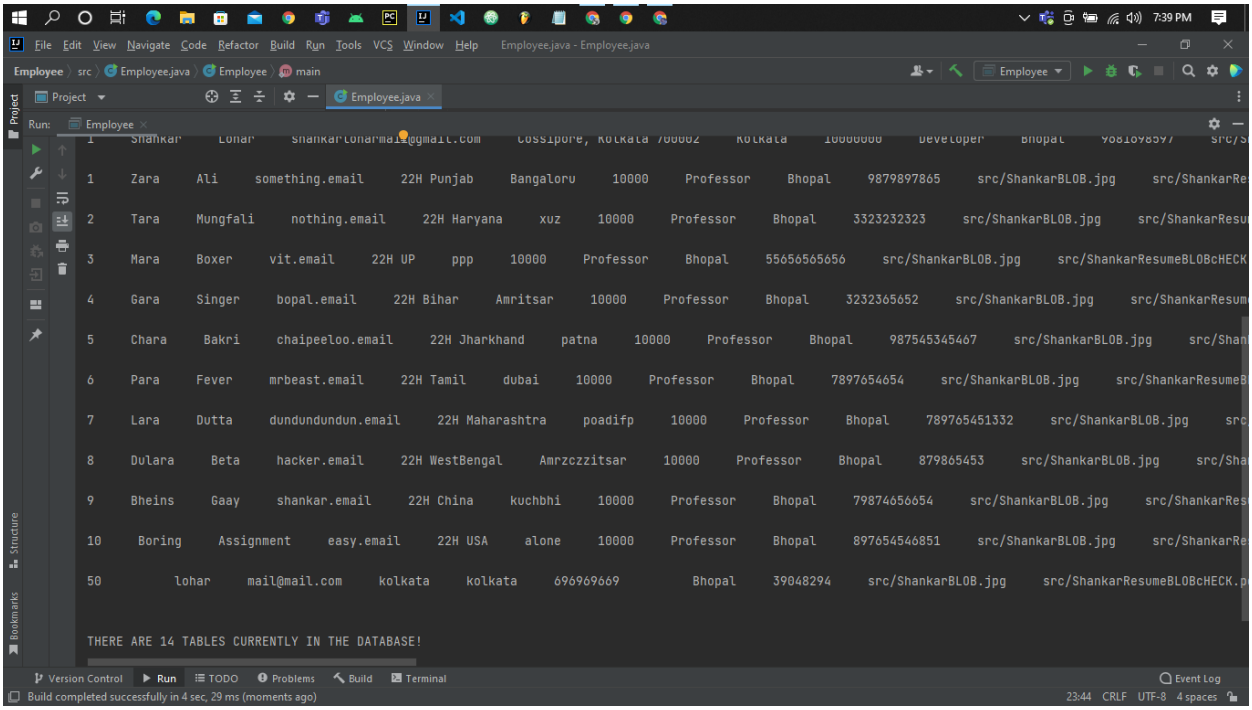

System.out.println("THE DATABASE '" + databaseCheck + "' DOES NOT EXISTS!");
}
private static void showTables(Statement statement) throws SQLException {
ResultSet tableList = statement.executeQuery(sql: "Show tables");
System.out.println("\n\n ##### Showing Tables in the Current Database ##### ");
int dataRecords = 0;
while (tableList.next()) {
System.out.print(tableList.getString(columnIndex: 1));
dataRecords++;
System.out.println();
}
System.out.println("\nTHERE ARE " + dataRecords + " TABLES CURRENTLY IN THE DATABASE!\n");
}
Connection Done!
Statement Ready -> #
Showing Tables in the Current Database
_20bai10040
shankarlohar
THERE ARE 2 TABLES CURRENTLY IN THE DATABASE!
Process finished with exit code 0

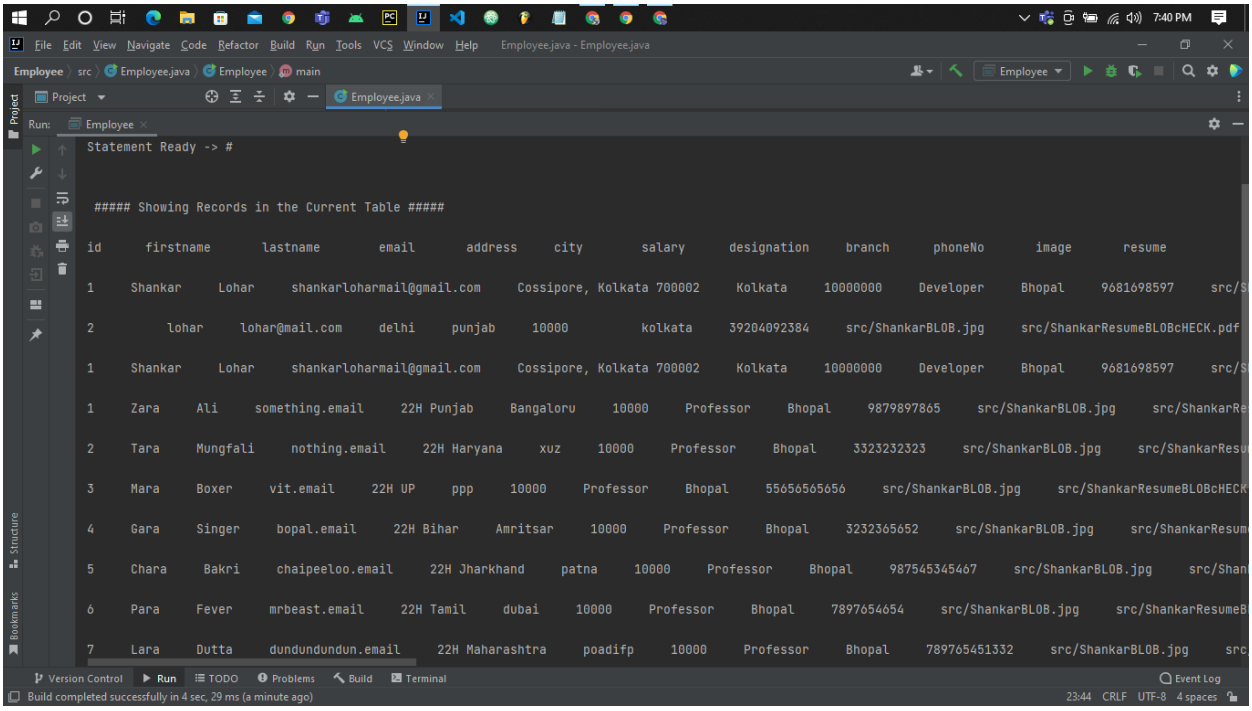

private static void checkDatabase(Statement statement) throws SQLException {
System.out.println("\n\n Enter name of the database to check -> ");
Scanner input = new Scanner(System.in);
String databaseCheck = input.nextLine();
input.close();
ResultSet databaseList = statement.executeQuery(sql: "Show databases");
System.out.println("\n\n ##### Checking the database exists or not... ##### ");
while (databaseList.next()) {
if (databaseList.getString(columnIndex: 1).equalsIgnoreCase(databaseCheck)) {
System.out.println("THE DATABASE '" + databaseCheck + "' EXISTS!");
return;
}
}
System.out.println("THE DATABASE '" + databaseCheck + "' DOES NOT EXISTS!");
Connection Done!
Statement Ready -> #
Enter name of the database to check ->
shankarsemployees
Checking the database exists or not...
THE DATABASE 'shankarsemployees' EXISTS!
Process finished with exit code 0

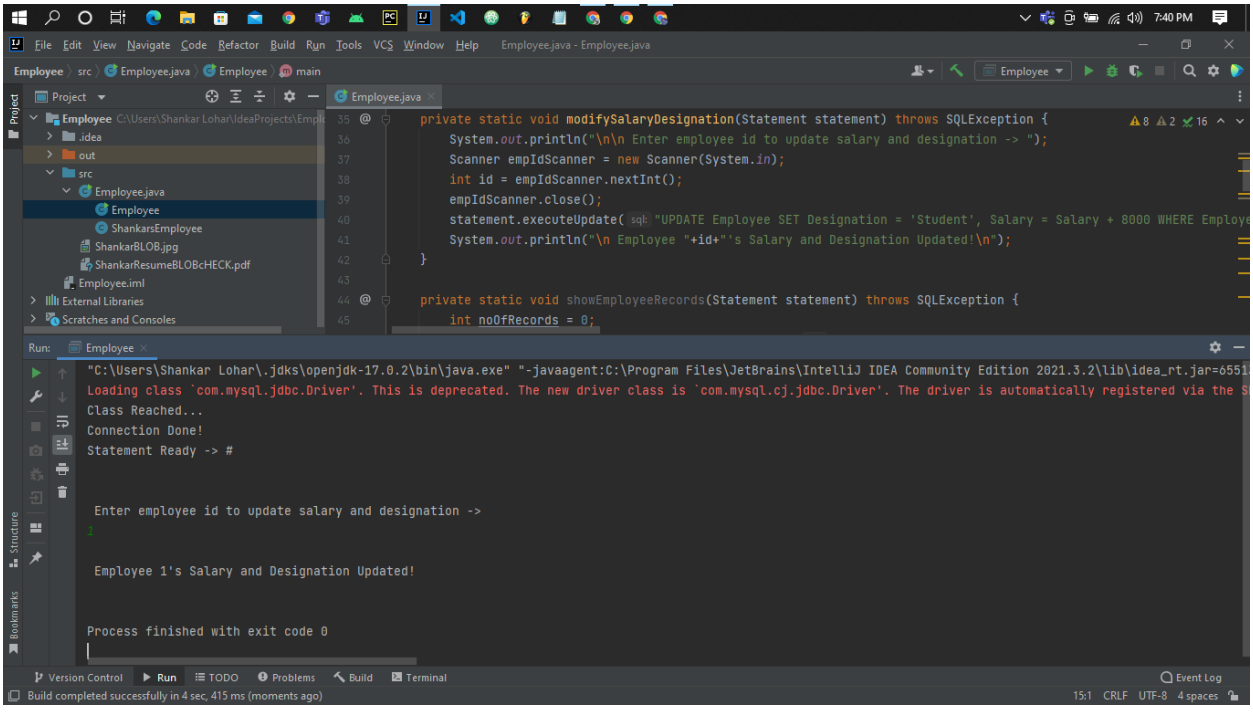

Employee.java - Employee.java
Project
Employee C:\Users\Shankar Lohar\IdeaProjects\Empl
.idea
out
src
Employee.java
Employee
ShankarsEmployee
ShankarBLOB.jpg
ShankarResumeBLOBcHECK.pdf
Employee.iml
External Libraries
Scratches and Consoles
private static void dropTableIfExists(Statement statement) throws SQLException {
System.out.println("\n\n Enter name of the table to delete from database -> ");
Scanner input = new Scanner(System.in);
String deleteTable = input.nextLine();
input.close();
ResultSet tableList = statement.executeQuery(sql: "Show tables");
System.out.println("\n\n ##### Checking the table exists or not... ##### ");
while (tableList.next()) {
if (tableList.getString(columnIndex: 1).equalsIgnoreCase(deleteTable)) {
statement.executeUpdate(sql: "Drop table " + deleteTable);
System.out.println("THE DATABASE '" + deleteTable + "' DELETED!");
return;
}
}
System.out.println("THE TABLE '" + deleteTable + "' DOES NOT EXISTS!");
}
Run: Employee
Enter name of the table to delete from database ->
shankarlohar
Checking the table exists or not...
THE DATABASE 'shankarlohar' DELETED!
Process finished with exit code 0
Version Control
Run
TODO
Problems
Build
Terminal
Event Log
Build completed successfully in 4 sec, 850 ms (a minute ago)
16:1 CRLF UTF-8 4 spaces

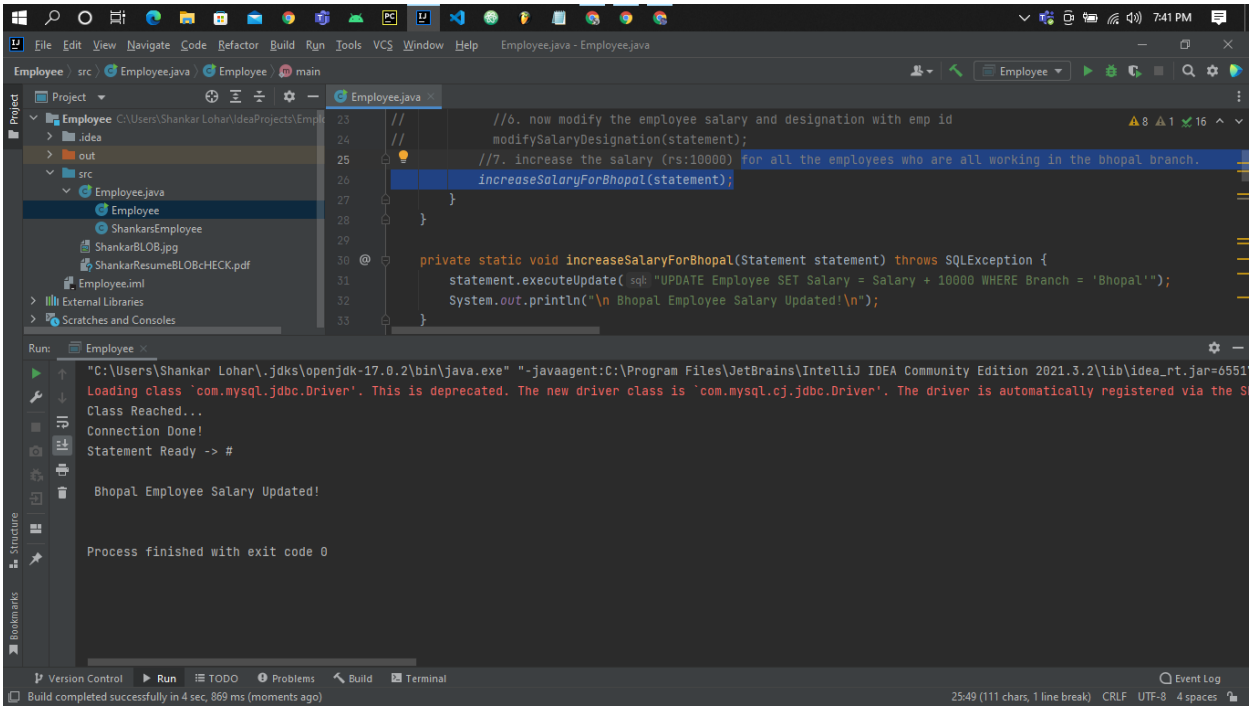

Employee.java - Employee.java
statement.executeUpdate(sql: "INSERT INTO Employee VALUES ("+ shankarsEmployee.id +", '"+
System.out.println("Inserted record "+(i+1)+" into the table... "+(numberOfRecords - i+1)+" left.");
}
System.out.println("Inserted ALL records into the table...");
}
private static void createEmployeeTable(Statement statement) throws SQLException {
statement.executeUpdate(sql: "CREATE TABLE Employee" + "(" +
"EmployeeID int," + "FirstName varchar(255)," + "LastName varchar(255)," + "Email varchar(255),"
+ "AddressLine varchar(255)," + "City varchar(255)," + "Salary int," + "Designation varchar(255),"
+ "Branch varchar(255)," + "Phone varchar(255)," +"Image blob," +"Resume blob" +")");
System.out.println("\nTable Employee Created!\n");
}
private static void dropTableIfExists(Statement statement) throws SQLException {
System.out.println("\n\n Enter name of the table to delete from database -> ");
Run: Employee
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 S
Connection Done!
Statement Ready -> #
Table Employee Created!
Process finished with exit code 0
Version Control
Run
TODO
Problems
Build
Terminal
Event Log
Build completed successfully in 5 sec, 888 ms (moments ago)
112:17 CRLF UTF-8 4 spaces


7:38 PM
File Edit View Navigate Code Refactor Build Run Tools VCS Window Help
Employee.java - Employee.java
Employee src Employee.java Employee insert10Employees
Project
Employee.java
Run: Employee
80
Enter the employee first name ->
Enter the employee last name ->
lohar
Enter the employee email ->
mail@mail.com
Enter the employee address ->
kolkata
Enter the employee city ->
kolkata
Enter the employee salary ->
696969669
Enter the employee designation ->
Enter the employee branch ->
Bhopal
Enter the employee phone ->
39048294
Enter the employee image path ->
src/ShankarBLOB.jpg
Enter the employee resume PDF path ->
src/ShankarResumeBLOBcHECK.pdf
Inserting records into the table...
Inserted record 1 into the table... 0 left.
Inserted ALL records into the table...
Process finished with exit code 0
Version Control Run TODO Problems Build Terminal
Event Log
Build completed successfully in 4 sec, 290 ms (2 minutes ago)
35:1 CRLF UTF-8 4 spaces


7:39 PM
File Edit View Navigate Code Refactor Build Run Tools VCS Window Help
Employee.java - Employee.java
Employee src Employee.java Employee main
Project
Employee.java
Run: Employee
1 Zara Ali something.email 22H Punjab Bangaloru 10000 Professor Bhopal 9879897865 src/ShankarBLOB.jpg
2 Tara Mungfali nothing.email 22H Haryana xuz 10000 Professor Bhopal 3323232323 src/ShankarBLOB.jpg
3 Mara Boxer vit.email 22H UP ppp 10000 Professor Bhopal 55656565656 src/ShankarBLOB.jpg
4 Gara Singer bopal.email 22H Bihar Amritsar 10000 Professor Bhopal 3232365652 src/ShankarBLOB.jpg
5 Chara Bakri chaipeeloo.email 22H Jharkhand patna 10000 Professor Bhopal 987545345467 src/ShankarBLOB.jpg
6 Para Fever mrbeast.email 22H Tamil dubai 10000 Professor Bhopal 7897654654 src/ShankarBLOB.jpg
7 Lara Dutta dundundundun.email 22H Maharashtra poadifp 10000 Professor Bhopal 789765451332 src/ShankarBLOB.jpg
8 Dulara Beta hacker.email 22H WestBengal Amrzczzitsar 10000 Professor Bhopal 879865453 src/ShankarBLOB.jpg
9 Bheins Gaay shankar.email 22H China kuchbhi 10000 Professor Bhopal 79874656654 src/ShankarBLOB.jpg
10 Boring Assignment easy.email 22H USA alone 10000 Professor Bhopal 897654546851 src/ShankarBLOB.jpg
50 lohar mail@mail.com kolkata kolkata 696969669 Bhopal 39048294 src/ShankarBLOB.jpg src/ShankarResumeBLOBcHECK.p
THERE ARE 14 TABLES CURRENTLY IN THE DATABASE!
Version Control Run TODO Problems Build Terminal
Event Log
Build completed successfully in 4 sec, 29 ms (moments ago)
23:44 CRLF UTF-8 4 spaces


Statement Ready -> #
Showing Records in the Current Table
id firstname lastname email address city salary designation branch phoneNo image resume
1 Shankar Lohar shankarloharmail@gmail.com Cossipore, Kolkata 700002 Kolkata 10000000 Developer Bhopal 9681698597 src/S
2 lohar lohar@mail.com delhi punjab 10000 kolkata 39204092384 src/ShankarBLOB.jpg src/ShankarResumeBLOBcHECK.pdf
1 Shankar Lohar shankarloharmail@gmail.com Cossipore, Kolkata 700002 Kolkata 10000000 Developer Bhopal 9681698597 src/S
1 Zara Ali something.email 22H Punjab Bangaloru 10000 Professor Bhopal 9879897865 src/ShankarBLOB.jpg src/ShankarRe
2 Tara Mungfali nothing.email 22H Haryana xuz 10000 Professor Bhopal 3323232323 src/ShankarBLOB.jpg src/ShankarResu
3 Mara Boxer vit.email 22H UP ppp 10000 Professor Bhopal 55656565656 src/ShankarBLOB.jpg src/ShankarResumeBLOBcHECK
4 Gara Singer bopal.email 22H Bihar Amritsar 10000 Professor Bhopal 3232365652 src/ShankarBLOB.jpg src/ShankarResum
5 Chara Bakri chaipeeloo.email 22H Jharkhand patna 10000 Professor Bhopal 987545345467 src/ShankarBLOB.jpg src/Shan
6 Para Fever mrbeast.email 22H Tamil dubai 10000 Professor Bhopal 7897654654 src/ShankarBLOB.jpg src/ShankarResumeB
7 Lara Dutta dundundundun.email 22H Maharashtra poadifp 10000 Professor Bhopal 789765451332 src/ShankarBLOB.jpg src/
Build completed successfully in 4 sec, 29 ms (a minute ago)


private static void modifySalaryDesignation(Statement statement) throws SQLException {
System.out.println("\n\n Enter employee id to update salary and designation -> ");
Scanner empIdScanner = new Scanner(System.in);
int id = empIdScanner.nextInt();
empIdScanner.close();
statement.executeUpdate(sql: "UPDATE Employee SET Designation = 'Student', Salary = Salary + 8000 WHERE Employe
System.out.println("\n Employee "+id+"'s Salary and Designation Updated!\n");
}
private static void showEmployeeRecords(Statement statement) throws SQLException {
int noOfRecords = 0;
"C:\Users\Shankar Lohar\.jdks\openjdk-17.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.2\lib\idea_rt.jar=6551
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 S
Class Reached...
Connection Done!
Statement Ready -> #
Enter employee id to update salary and designation ->
1
Employee 1's Salary and Designation Updated!
Process finished with exit code 0
Build completed successfully in 4 sec, 415 ms (moments ago)


File Edit View Navigate Code Refactor Build Run Tools VCS Window Help Employee.java - Employee.java
Employee src Employee.java Employee main
Project
Employee C:\Users\Shankar Lohar\IdeaProjects\Emp
.idea
out
src
Employee.java
Employee
ShankarsEmployee
ShankarBLOB.jpg
ShankarResumeBLOBcHECK.pdf
Employee.iml
External Libraries
Scratches and Consoles
Employee.java
//6. now modify the employee salary and designation with emp id
modifySalaryDesignation(statement);
//7. increase the salary (rs:10000) for all the employees who are all working in the bhopal branch.
increaseSalaryForBhopal(statement);
}
}
private static void increaseSalaryForBhopal(Statement statement) throws SQLException {
statement.executeUpdate(sql: "UPDATE Employee SET Salary = Salary + 10000 WHERE Branch = 'Bhopal'");
System.out.println("\n Bhopal Employee Salary Updated!\n");
}
Run: Employee
"C:\Users\Shankar Lohar\.jdks\openjdk-17.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.2\lib\idea_rt.jar=6551
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 S
Class Reached...
Connection Done!
Statement Ready -> #
Bhopal Employee Salary Updated!
Process finished with exit code 0
Version Control Run TODO Problems Build Terminal
Event Log
Build completed successfully in 4 sec, 869 ms (moments ago)
25:49 (111 chars, 1 line break) CRLF UTF-8 4 spaces