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Assignment-3

JDBC Connectivity

i. Inserting Data into Table

Before Inserting row data into table:

Screenshot:

```
mysql> SELECT * FROM EMPLOYEE;
```

FIRST_NAME	MID_NAME	LAST_NAME	SSN_NUMBER	BIRTHDAY	ADDRESS	SEX	SALARY	SUPERVISOR_SSN	DEPARTMENT_NUMBER
Doug	E	Gilbert	554433221	1960-06-09	11 S 59 E, Salt Lake City, UT	M	80000	NULL	3
Joyce	NULL	PAN	543216789	1978-02-07	35 S 18 E, Salt Lake City, UT	F	70000	NULL	2
Frankin	T	Wong	333445555	1945-12-08	638 Voss, Houston, TX	M	40000	554433221	5
Jennifer	S	Wallace	987654321	1931-06-20	291 Berry, Bellaire, TX	F	43000	554433221	4
Johny	B	Smith	123456789	1955-01-09	731 Fondren, Houston, TX	M	30000	333445555	5
Ramesh	K	Narayan	666884444	1952-09-15	975 Fire Oak, Humble, TX	M	38000	333445555	5
Joyce	A	English	453453453	1962-07-31	5631 Rice, Houston, TX	F	25000	333445555	5
James	E	Borg	888665555	1927-11-10	450 Stone, Houston, TX	M	55000	543216789	1
Alicia	J	Zelaya	999887777	1958-07-19	3321 Castle, Spring, TX	F	25000	987654321	4

9 rows in set (0.00 sec)

After Inserting the data into table:

```
mysql> SELECT * FROM EMPLOYEE;
```

FIRST_NAME	MID_NAME	LAST_NAME	SSN_NUMBER	BIRTHDAY	ADDRESS	SEX	SALARY	SUPERVISOR_SSN	DEPARTMENT_NUMBER
Doug	E	Gilbert	554433221	1960-06-09	11 S 59 E, Salt Lake City, UT	M	80000	NULL	3
Joyce	NULL	PAN	543216789	1978-02-07	35 S 18 E, Salt Lake City, UT	F	70000	NULL	2
Frankin	T	Wong	333445555	1945-12-08	638 Voss, Houston, TX	M	40000	554433221	5
Jennifer	S	Wallace	987654321	1931-06-20	291 Berry, Bellaire, TX	F	43000	554433221	4
Johny	B	Smith	123456789	1955-01-09	731 Fondren, Houston, TX	M	30000	333445555	5
Ramesh	K	Narayan	666884444	1952-09-15	975 Fire Oak, Humble, TX	M	38000	333445555	5
Joyce	A	English	453453453	1962-07-31	5631 Rice, Houston, TX	F	25000	333445555	5
James	E	Borg	888665555	1927-11-10	450 Stone, Houston, TX	M	55000	543216789	1
Alicia	J	Zelaya	999887777	1958-07-19	3321 Castle, Spring, TX	F	25000	987654321	4
Tarun	K	JAGADABI	989887777	2003-09-01	3121 Castle, Spring, TX	M	100000	947654321	5

10 rows in set (0.00 sec)

Code:

```
package jdbc;
import java.sql.*;
public class Assignment {

    public static void main(String args[]) {
        try {
            Connection con =null;
            Class.forName("com.mysql.cj.jdbc.Driver");
            con =
            DriverManager.getConnection("jdbc:mysql://localhost:3306/JTARUN", "root",
            "Jtarun41");

            System.out.println("Connection is Successful");
            Statement stmt = con.createStatement();
            stmt.executeUpdate("INSERT INTO EMPLOYEE VALUES('Tarun',
            'K', 'JAGADABI', 989887777, '2003-09-01', '3121 Castle, Spring, TX', 'M',
            100000, 947654321, 5);");
            System.out.println("Record Inserted Successfully");
            stmt.close();
            con.close();
        } catch (Exception e) {
```

```

    }
}
}

```

Code Screenshot:

```

1 package jdbc;
2 import java.sql.*;
3 public class Assignment {
4
5     public static void main(String args[]) {
6         try {
7             Connection con =null;
8             Class.forName("com.mysql.cj.jdbc.Driver");
9             con = DriverManager.getConnection("jdbc:mysql://localhost:3306/JTARUN", "root", "Jtarun41");
10            System.out.println("Connection is Successful");
11            Statement stmt = con.createStatement();
12            stmt.executeUpdate("INSERT INTO EMPLOYEE VALUES('Tarun', 'K', 'JAGADABI', 989887777, '2003-09-01'
13            System.out.println("Record Inserted Successfully");
14            stmt.close();
15            con.close();
16        } catch (Exception e) {
17
18        }
19    }
20 }
21
22
23

```

Problems Javadoc Console Declaration

<terminated> Assignment [Java Application] C:\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe (06-Jun-2023)

Connection is Successful
Record Inserted Successfully

ii.Update:

Code:

```

package jdbc;
import java.sql.*;
public class UpdateStatement {
    public static void main(String[] args) {
        try {
            Connection con =null;
            Class.forName("com.mysql.cj.jdbc.Driver");
            con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/JTARUN", "root",
"Jtarun41");

            System.out.println("Connection is Successful");
            Statement stmt = con.createStatement();
            stmt.executeUpdate("UPDATE EMPLOYEE SET SALARY =75000
WHERE FIRST_NAME='Joyce'");
            System.out.println("Record Updated Successfully");
            stmt.close();
            con.close();
        }
        catch (Exception e)
        {
            e.printStackTrace();
        }
    }
}

```

```

    }
}
}

```

Code Screenshot:

```

1 package jdbc;
2 import java.sql.*;
3 public class UpdateStatement {
4     public static void main(String[] args) {
5         try {
6             Connection con =null;
7             Class.forName("com.mysql.cj.jdbc.Driver");
8             con = DriverManager.getConnection("jdbc:mysql://localhost:3306/JTARUN", "root", "Jtarun41");
9             System.out.println("Connection is Successful");
10            Statement stmt = con.createStatement();
11            stmt.executeUpdate("UPDATE EMPLOYEE SET SALARY =75000 WHERE FIRST_NAME='Joyce'");
12            System.out.println("Record Updated Successfully");
13            stmt.close();
14            con.close();
15        }
16        catch (Exception e)
17        {
18            e.printStackTrace();
19        }
20    }
21 }
22 }
23 }
24 }
25 }

```

Problems @ Javadoc Console x Declaration

<terminated> UpdateStatement [Java Application] C:\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe (06-
Connection is Successful
Record Updated Successfully

Screenshot after Updation:

```
mysql> SELECT * FROM EMPLOYEE;
```

FIRST_NAME	MID_NAME	LAST_NAME	SSN_NUMBER	BIRTHDAY	ADDRESS	SEX	SALARY	SUPERVISOR_SSN	DEPARTMENT_NUMBER
Joyce	NULL	PAN	543216789	1978-02-07	35 S 18 E, Salt Lake City, UT	F	75000	NULL	2
Frankin	T	Wong	333445555	1945-12-08	638 Voss, Houston, TX	M	40000	554433221	5
Jennifer	S	Wallace	987654321	1931-06-20	291 Berry, Bellaire, TX	F	43000	554433221	4
Johnny	B	Smith	123456789	1955-01-09	731 Fondren, Houston, TX	M	30000	333445555	5
Ramesh	K	Narayan	666884444	1952-09-15	975 Fire Oak, Humble, TX	M	38000	333445555	5
Joyce	A	English	453453453	1962-07-31	5631 Rice, Houston, TX	F	75000	333445555	5
James	E	Borg	888665555	1927-11-10	450 Stone, Houston, TX	M	55000	543216789	1
Alicia	J	Zelaya	999887777	1958-07-19	3321 Castle, Spring, TX	F	25000	987654321	4
Tarun	K	JAGADABI	989887777	2003-09-01	3121 Castle, Spring, TX	M	100000	947654321	5

9 rows in set (0.00 sec)

iii.Delete

Code:

```

package jdbc;
import java.sql.*;
public class DeleteStatement {
    public static void main(String[] args) {
        try {
            Connection con =null;
            Class.forName("com.mysql.cj.jdbc.Driver");

```

```

        con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/JTARUN", "root",
"Jtarun41");

        System.out.println("Connection is Successful");
        Statement stmt = con.createStatement();
        stmt.executeUpdate("DELETE FROM EMPLOYEE WHERE
LAST_NAME='Gilbert'");
        System.out.println("Record deleted Successfully");
        stmt.close();
        con.close();
    }
    catch (Exception e)
    {
        e.printStackTrace();
    }
}
}
}

```

Code Screenshot:

```

1 package jdbc;
2 import java.sql.*;
3 public class UpdateStatement {
4     public static void main(String[] args) {
5         try {
6             Connection con =null;
7             Class.forName("com.mysql.cj.jdbc.Driver");
8             con = DriverManager.getConnection("jdbc:mysql://localhost:3306/JTARUN", "root", "Jtarun41"
9             System.out.println("Connection is Successful");
10            Statement stmt = con.createStatement();
11            stmt.executeUpdate("DELETE FROM EMPLOYEE WHERE LAST_NAME='Gilbert'");
12            System.out.println("Record deleted Successfully");
13            stmt.close();
14            con.close();
15        }
16        catch (Exception e)
17        {
18            e.printStackTrace();
19        }
20    }
21 }
22 }
23 }
24 }
25 }

```

Problems @ Javadoc Console x Declaration

terminated> UpdateStatement [Java Application] C:\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw

Connection is Successful
Record deleted Successfully

Screenshot of Database:

```
mysql> SELECT * FROM EMPLOYEE;
```

FIRST_NAME	MID_NAME	LAST_NAME	SSN_NUMBER	BIRTHDAY	ADDRESS	SEX	SALARY	SUPERVISOR_SSN	DEPARTMENT_NUMBER
Joyce	NULL	PAN	543216789	1978-02-07	35 S 18 E, Salt Lake City, UT	F	70000	NULL	2
Frankin	T	Wong	333445555	1945-12-08	638 Voss, Houston, TX	M	40000	554433221	5
Jennifer	S	Wallace	987654321	1931-06-20	291 Berry, Bellaire, TX	F	43000	554433221	4
Johny	B	Smith	123456789	1955-01-09	731 Fondren, Houston, TX	M	30000	333445555	5
Ramesh	K	Narayan	666884444	1952-09-15	975 Fire Oak, Humble, TX	M	38000	333445555	5
Joyce	A	English	453453453	1962-07-31	5631 Rice, Houston, TX	F	25000	333445555	5
James	E	Borg	888665555	1927-11-10	450 Stone, Houston, TX	M	55000	543216789	1
Alicia	J	Zelaya	999887777	1958-07-19	3321 Castle, Spring, TX	F	25000	987654321	4
Tarun	K	JAGADABI	989887777	2003-09-01	3121 Castle, Spring, TX	M	100000	947654321	5

```
9 rows in set (0.00 sec)
```