

ASSIGNMENT – 3

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COURSE: MODERN APPLICATION DEVELOPMENT (JAVA SPRING BOOT)

JAVA ASSIGNMENT USING JDBC

CODE

```
package jdbcpackage;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;

public class Jdbc {

    static String url = "jdbc:mysql://localhost:3306/Office";
    static String uname = "root";
    static String password = "PASSOWORD";

    public static void create() {
        String query = "insert into employees values (10254, 'Alfred', 'Smith', 'IT')";

        try {
            Connection con = DriverManager.getConnection(url, uname, password);
            Statement statement = con.createStatement();

            //to add a tuple
            statement.executeUpdate(query);

            con.close();
        }
    }
}
```

```

        }catch (SQLException e) {
            e.printStackTrace();
        }

    }

    public static void read() {
        String query = "select * from employees";

        try {
            Connection con = DriverManager.getConnection(url, uname, password);
            Statement statement = con.createStatement();

            ResultSet result = statement.executeQuery(query);
            while(result.next()) {
                String tabledata = "";
                for(int i=1; i<=4; i++) {
                    tabledata += result.getString(i) + ":";
                }
                System.out.println(tabledata);
            }

            con.close();

        }catch (SQLException e) {
            e.printStackTrace();
        }

    }

    public static void update() {
        String query = "UPDATE employees SET First_Name = 'Pink' WHERE Employee_Id
= 10254;";
    }

```

```

        try {
            Connection con = DriverManager.getConnection(url, uname, password);
            Statement statement = con.createStatement();

            //to add a tuple
            statement.executeUpdate(query);

            con.close();

        }catch (SQLException e) {
            e.printStackTrace();
        }
    }

    public static void delete() {
        String query = "DELETE FROM employees WHERE Employee_Id = 10254";

        try {
            Connection con = DriverManager.getConnection(url, uname, password);
            Statement statement = con.createStatement();

            //to add a tuple
            statement.executeUpdate(query);

            con.close();

        }catch (SQLException e) {
            e.printStackTrace();
        }
    }

    public static void main(String[] args) throws SQLException{

```

```

    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
    } catch (ClassNotFoundException e) {
        e.printStackTrace();
    }

    create();
    read();
    update();
    delete();

}

}

```

OUTPUT

	Employee_Id	First_Name	Last_Name	Department
▶	10234	Shreeya	Parvatham	IT
	10254	Alfred	Smith	IT
	10454	Sarita	Sada	IT
	10657	Raj	Kumar	ACCOUNTS
	10697	Anuj	Patel	FINANCE
	10876	John	John	FINANCE
★	NULL	NULL	NULL	NULL