

Practical 1:- Develop a java application using concept of JDBC for user login. User will enter username and password. Application will match for the same in database table. If match is found then display message "Successful Login" and if not found then display message "Invalid Username and password ".

```
package ga.test;
```

```
import java.sql.*;
```

```
import java.util.Scanner;
```

```
public class Demo {
```

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

```
        Scanner in = new Scanner(System.in);
```

```
        System.out.println("Enter Username");
```

```
        String un = in.next();
```

```
        System.out.println("Enter Password");
```

```
        String pw = in.next();
```

```
        try {
```

```
            //DriverManager.registerDriver(new  
com.mysql.cj.jdbc.Driver());
```

```
            Class.forName("com.mysql.cj.jdbc.Driver");
```

```
            Connection con =  
DriverManager.getConnection("jdbc:mysql://localhost:3306/test", "root",  
"Gaurav@123");
```

```
            String query = "SELECT * FROM users WHERE username  
= ? AND password = ?";
```

```
            PreparedStatement stmt = con.prepareStatement(query);
```

```
            stmt.setString(1, un);
```

```
            stmt.setString(2, pw);
```

```
            ResultSet rs = stmt.executeQuery();
```

```
        rs.next();
        if (rs.getRow()>0) {
            System.out.println("Login Successful !
"+rs.getString("username"));
        }
        else
        {
            System.out.println("Login Fail");
        }
        rs.close();
        stmt.close();
        con.close();
    }
    catch (SQLException e) {
        System.out.println(e);
    }
}

}
```