Task 1.

```
package com.jbk;


import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.Statement;

import jxl.Cell;
import jxl.Sheet;
import jxl.Workbook;
import jxl.read.biff.BiffException;


public class Task1 {

	public static void main(String[] args) throws ClassNotFoundException, IOException, SQLException, BiffException {


		FileInputStream fis=new FileInputStream("file1.xls");
		Workbook wk=Workbook.getWorkbook(fis);
```

```
Sheet sheet=wk.getSheet("Sheet1");
int rows =sheet.getRows();
int cols=sheet.getColumns();
for(int i=0;i<rows;i++)
{
        for(int k=0;k<cols;k++)
        {
                Cell cell=sheet.getCell(k, i);
                System.out.println(cell.getContents());
        }
}

Class.forName("com.mysql.jdbc.Driver");
  Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3309/excelsheetdb",
"root", "root");
   Statement statement=con.createStatement();
   con.setAutoCommit(false);
   for (int i = 0; i < rows; i++) {

                String id = null;
                String name = null;
                String phone = null;
                String role = null;

                for (int k = 0; k < cols; k++){
```

```
Cell cell = sheet.getCell(k, i);
String dataStore = cell.getContents();

if(k == 0){
        id = dataStore;
        }


if(k == 1){
name = dataStore;
}

if(k == 2) {
phone = dataStore;
}

if(k == 3){
role = dataStore;


if(role.equals("admin")) {
        String sql = "insert into admin
values("'+id+"' ,"'+name+"', "'+phone+"')";

        statement.executeUpdate(sql);
        }
```

```
                                        else if(role.equals("student")) {
                                            String sql = "insert into student
values('"+id+"' , '"+name+"', '"+phone+"')";
                                            statement.executeUpdate(sql);
}

                                    if(role.equals("faculty")) {
                                        String sql = "insert into faculty
values('"+id+"' , '"+name+"', '"+phone+"')";
                                        statement.executeUpdate(sql);
                                        }
                                    }
                                }
                                con.commit();
                            }
                        System.out.println("Data inserted successfully");

        }
}
```

Task 2

```
package com.jbk;


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


public class Task2Example {


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



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


		Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3309/abc", "root", "root");
		Connection con1=DriverManager.getConnection("jdbc:mysql://localhost:3309/pqr", "root", "root");


		con.setAutoCommit(false);
		con1.setAutoCommit(false);
```

```
String sql="select id, name, phone, role from user";
Statement stmt = con.createStatement();
ResultSet rs = stmt.executeQuery(sql);
System.out.println("Name    Phone      Role");
while(rs.next()) {
  String name = rs.getString("name");
  String phone = rs.getString("phone");
  String role = rs.getString("role");

  System.out.print(name);
  System.out.print(phone);
  System.out.print(role);
  System.out.println();
  System.out.println("------------------");
  if(role.contains("admin")) {
        String sql1="insert into admin (name,phone) values
('"+name+"','"+phone+"')";
        Statement stmt1 = con1.createStatement();
        stmt1.executeUpdate(sql1);

      }
        else if(role.contains("student")){
            String sql1="insert into student (name,phone) values
('"+name+"','"+phone+"')";
            Statement stmt1 = con1.createStatement();
            stmt1.executeUpdate(sql1);
```

```
                    }
                    else{
                        String sql1="insert into faculty (name,phone) values
('"+name+"','"+phone+"')";
                        Statement stmt1 = con1.createStatement();
                        stmt1.executeUpdate(sql1);

                    }
                 con1.commit();
               }
               System.out.println("Data send Successfully");
          }
}
```

Task 3:

```
package com.jbk;


import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.regex.Matcher;
import java.util.regex.Pattern;


public class Task3Example {


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


		Class.forName("com.mysql.jdbc.Driver");
		Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3309/data", "root","root");


		String sql = "SELECT * FROM student";
		Statement stmt  = con.createStatement();
		ResultSet rs    = stmt.executeQuery(sql);



		con.setAutoCommit(false);
```

```
while (rs.next())
{
  String Name= rs.getString("name");
    String contact = rs.getString("contact");
  System.out.println(Name);
  System.out.println(contact);

  Pattern pattern =
Pattern.compile("[$&+,:;=\\\\?@#|/'<>.^*()%!-]");

  Matcher matcher = pattern.matcher(Name);
  boolean val=matcher.find();

  if (val == true) {
  String sql1="insert into student_clone(name,contact)
values ('"+Name+"','"+contact+"')";
  Statement stmt1 = con.createStatement();
  stmt1.executeUpdate(sql1);

 }

}
  stmt.execute(sql);
con.commit();
con.close();
```

```
System.out.println("Data Add sucessfully");


    }
}
```

Task 4

```
package com.jbk;


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


public class TaskExample4 {


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


			Class.forName("com.mysql.jdbc.Driver");
			Class.forName("com.mysql.jdbc.Driver");
		Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3309/test1", "root", "root");
	    Connection conn1=DriverManager.getConnection("jdbc:mysql://localhost:3309/test2", "root", "root");
		conn.setAutoCommit(false);
		conn1.setAutoCommit(false);


			String sql="select eid, ename, ephone,table_name from employee";
			Statement stmt=conn.createStatement();
```

```
ResultSet rs=stmt.executeQuery(sql);
//System.out.println(rs);


while(rs.next())
                {
String name = rs.getString("ename");
String phone = rs.getString("ephone");
String table = rs.getString("table_name");
System.out.print(name+" ");
System.out.print(phone+"  ");
System.out.print(table+"  ");
System.out.println();
System.out.println("---------------");
if(table.contains("Admin_Sec")) {


String query="SELECT * FROM information_schema.tables WHERE table_schema = 'test2' AND table_name = 'admin_sec'";
Statement stmt1 = conn1.createStatement();
ResultSet resultset=stmt1.executeQuery(query);
if(resultset.next())
{
String sql1="insert into admin_sec (name,phone) values ('"+name+"','"+phone+"')";
Statement stmt2 = conn1.createStatement();
stmt2.executeUpdate(sql1);
```

```
            }
            else
            {
                String query1="create table admin_sec ( id int(10) PRIMARY
KEY, name varchar (45) NOT NULL,phone varchar(45))";
                Statement stmt3 = conn1.createStatement();
                stmt3.executeUpdate(query1);
        }

    }
        else if(table.contains("HR_Sec")){
            String query="SELECT * FROM information_schema.tables
WHERE table_schema = 'test2' AND table_name = 'hr_sec'";
            Statement stmt_123 = conn1.createStatement();
            ResultSet resultset=stmt_123.executeQuery(query);
            if(resultset.next())
            {
                String sql1="insert into hr_sec (name,phone) values
('"+name+"','"+phone+"')";
            Statement stmt1 = conn1.createStatement();
            stmt1.executeUpdate(sql1);


            }
            else
            {
```

```
String query1="create table hr_sec ( id int(10) PRIMARY KEY, name varchar (45) NOT NULL,phone varchar(45))";
Statement stmt3 = conn1.createStatement();
stmt3.executeUpdate(query1);
}

}
else if(table.contains("Analytics_Sec")){
String query="SELECT * FROM information_schema.tables WHERE table_schema = 'test2' AND table_name = 'analytics_sec'";
Statement stmt_123 = conn1.createStatement();
ResultSet resultset=stmt_123.executeQuery(query);
if(resultset.next())
{
String sql1="insert into analytics_sec (name,phone) values ('"+name+"','"+phone+"')";
Statement stmt1 = conn1.createStatement();
stmt1.executeUpdate(sql1);
}
else
{
String query1="create table analytics_sec( id int(10) PRIMARY KEY, name varchar (45) NOT NULL,phone varchar(45))";
Statement stmt3 = conn1.createStatement();
stmt3.executeUpdate(query1);
}
```

```
            }
          else if(table.contains("Marketing_Sec"))
          {
            String query="SELECT * FROM information_schema.tables
WHERE table_schema = 'test2' AND table_name = 'marketing_sec'";
            Statement stmt_123 = conn1.createStatement();
            ResultSet resultset=stmt_123.executeQuery(query);
            if(resultset.next())
            {
            String sql1="insert into marketing_sec (name,phone) values
('"+name+"','"+phone+"')";
            Statement stmt1 = conn1.createStatement();
            stmt1.executeUpdate(sql1);
            }
            else
            {
                  String query1="create table marketing_sec( id int(10)
PRIMARY KEY AUTO_INCREMENT, name varchar (45) NOT NULL,phone
varchar(45))";
                  Statement stmt3 = conn1.createStatement();
            stmt3.executeUpdate(query1);
            }
          }
            conn1.commit();
          }
          System.out.println("Data Send Successfully");
```

```
        }
}
```


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