

Excel sheet Data

Task 1.

Copy all data from excel sheet to database but in relevant role table.

Data in excel sheet

id	name	phone	role
1	Jbk	124563	Faculty
2	Kiran	896578	Admin
3	Shweta	865478	Faculty
4	Riya	963258	Student
5	Vishal	789658	Student

Write a code in java to store the data as per role in the relevant tables which are in “pqr” schema

Schema:pqr

Faculty table

id	name	phone
1	Jbk	124563
2	Shweta	865478

Student table

id	name	phone
1	Riya	963258
2	Vishal	789658

Admin table

id	name	phone
1	Kiran	896578

Solution:-

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```
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");
```

```
}  
}
```



