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Section : BSCS-5

Assignment 3

Code screenshot :

```
import java.sql.Driver;
import java.sql.PreparedStatement;
import java.sql.DriverManager;
import java.sql.Connection;
import java.sql.Statement;
import java.sql.ResultSet;

public class Main {
    public static void main(String[] args){
        try {
            String url="jdbc:mysql://localhost:3306/db";
            String username="root";
            String password="";
            String sql1="INSERT INTO students(name,age,city,id)
VALUES(?,?,?,?)";

            String sql="SELECT * from students";
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection
connection=DriverManager.getConnection(url,username,password);
            Statement statement=connection.createStatement();
            ResultSet resultSet=statement.executeQuery(sql);

            while (resultSet.next()){
                System.out.println(resultSet.getString(1)+
resultSet.getInt(2)+resultSet.getString(3)+resultSet.getInt(4));
            }
            PreparedStatement ps=connection.prepareStatement(sql1);
            ps.setString(1,"ali");
            ps.setInt(2,4);
            ps.setString(3,"karachi");
            ps.setInt(4,33);
            ps.executeUpdate();

        }
        catch (Exception e){
            System.out.println(e);
        }
    }
}
```

output :

The screenshot displays the phpMyAdmin web interface in a browser window. The address bar shows the URL: `localhost/phpmyadmin/index.php?route=/sql&db=db&table=students&pos=0`. The interface includes a sidebar with a database tree on the left, a top navigation bar with tabs like 'Browse', 'Structure', 'SQL', 'Search', 'Insert', 'Export', 'Import', 'Privileges', 'Operations', 'Tracking', and 'More'. A warning message at the top states: 'Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.' Below this, a green status bar indicates 'Showing rows 0 - 3 (4 total, Query took 0.0010 seconds.)'. The SQL query `SELECT * FROM `students`` is shown. Under 'Extra options', there are checkboxes for 'Show all', a 'Number of rows' dropdown set to 25, and a 'Filter rows' search box. The table data is displayed in a grid with columns: name, age, city, and id. The data rows are: ibraheem (22, lahore, 12), ali (4, karachi, 33), abdullah (4, isl, 33), and Muraad (4, Lhr, 33). At the bottom, there are buttons for 'Query results operations' including 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view', along with a 'Bookmark this SQL query' button and a 'Console' tab. The Windows taskbar at the bottom shows the time as 4:59 PM on 4/8/2025.

Server: 127.0.0.1 » Database: db » Table: students

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 3 (4 total, Query took 0.0010 seconds.)

SELECT * FROM `students`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

name	age	city	id
ibraheem	22	lahore	12
ali	4	karachi	33
abdullah	4	isl	33
Muraad	4	Lhr	33

Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Print | Copy to clipboard | Export | Display chart | Create view

Bookmark this SQL query

Console