

## PROJECT 2

### CALLABLE STATEMENT

CODE:

```
package calleble_statement;

import javafx.application.Application;
import javafx.geometry.Insets;
import javafx.geometry.Pos;
import javafx.scene.Scene;
import javafx.scene.control.Button;
import javafx.scene.control.Label;
import javafx.scene.control.TextField;
import javafx.scene.layout.HBox;
import javafx.scene.layout.VBox;
import javafx.stage.Stage;
import java.sql.CallableStatement;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;

public class Calleble_Statement extends Application {

    private Connection conn;
    private CallableStatement cstmt;
    private ResultSet rs;

    @Override
    public void start(Stage primaryStage) {

        HBox inputBox = new HBox(10);

        inputBox.setAlignment(Pos.CENTER_RIGHT);

        inputBox.setPadding(new Insets(10));

        Label idLabel = new Label("Employee ID:");
```

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TextField idField = new TextField();

Button searchButton = new Button("Search");

inputBox.getChildren().addAll(idField, searchButton);

VBox outputBox = new VBox(10);

outputBox.setAlignment(Pos.CENTER);

outputBox.setPadding(new Insets(10));

Scene scene = new Scene(new VBox(inputBox, outputBox), 300, 200);

primaryStage.setScene(scene);

primaryStage.setTitle("Employee Search");

primaryStage.show();

searchButton.setOnAction(e -> {

    String employeeIdStr = idField.getText();

    if (!employeeIdStr.isEmpty()) {

        try {

            int employeeId = Integer.parseInt(employeeIdStr);

            conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/hr", "root",
"dharudharu@7");

            pstmt = conn.prepareStatement("{call getEmployeeDetails(?)}");

            pstmt.setInt(1, employeeId);

            rs = pstmt.executeQuery();

            if (rs.next()) {

                String fname = rs.getString("fname");

                String lname = rs.getString("lname");

                String gmailId = rs.getString("gmail_id");

                Label detailsLabel = new Label("Employee Details:");

                Label fnameLabel = new Label("First Name: " + fname);

                Label lnameLabel = new Label("Last Name: " + lname);

                Label gmailIdLabel = new Label("Gmail ID: " + gmailId);

                outputBox.getChildren().addAll(detailsLabel, fnameLabel, lnameLabel, gmailIdLabel);

            } else {

                Label notFoundLabel = new Label("Employee not found!");

```

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        outputBox.getChildren().add(notFoundLabel);
    }
} catch (SQLException ex) {
    System.err.println("Error: " + ex.getMessage());
} finally {
    try {
        if (rs != null) rs.close();
        if (cstmt != null) cstmt.close();
        if (conn != null) conn.close();
    } catch (SQLException ex) {
        System.err.println("Error closing resources: " + ex.getMessage());
    }
}
}
});
}

public static void main(String[] args) {
    launch(Calleble_Statement.class, args);
}
}

```

OUTPUT:

