**Simple Calculator using JavaFX**

import javafx.application.Application;

import javafx.scene.Scene;

import javafx.scene.control.\*;

import javafx.scene.layout.\*;

import javafx.stage.Stage;

public class SimpleCalculator extends Application {

@Override

public void start(Stage primaryStage) {

// Text fields

TextField num1Field = new TextField();

TextField num2Field = new TextField();

// Result label

Label resultLabel = new Label("Result will show here");

// Buttons

Button addBtn = new Button("+");

Button subBtn = new Button("-");

Button mulBtn = new Button("\*");

Button divBtn = new Button("/");

// HBox for buttons

HBox buttonBox = new HBox(10, addBtn, subBtn, mulBtn, divBtn);

// VBox layout

VBox root = new VBox(10);

root.setStyle("-fx-padding: 20;");

root.getChildren().addAll(

new Label("Enter number 1:"), num1Field,

new Label("Enter number 2:"), num2Field,

buttonBox,

resultLabel

);

// Button actions

addBtn.setOnAction(e -> {

double a = Double.parseDouble(num1Field.getText());

double b = Double.parseDouble(num2Field.getText());

resultLabel.setText("Result: " + (a + b));

});

subBtn.setOnAction(e -> {

double a = Double.parseDouble(num1Field.getText());

double b = Double.parseDouble(num2Field.getText());

resultLabel.setText("Result: " + (a - b));

});

mulBtn.setOnAction(e -> {

double a = Double.parseDouble(num1Field.getText());

double b = Double.parseDouble(num2Field.getText());

resultLabel.setText("Result: " + (a \* b));

});

divBtn.setOnAction(e -> {

double a = Double.parseDouble(num1Field.getText());

double b = Double.parseDouble(num2Field.getText());

if (b != 0) {

resultLabel.setText("Result: " + (a / b));

} else {

resultLabel.setText("Error: Division by zero");

}

});

// Set scene and show

Scene scene = new Scene(root, 300, 250);

primaryStage.setTitle("Simple Calculator");

primaryStage.setScene(scene);

primaryStage.show();

}

public static void main(String[] args) {

launch(args);

}

}

**Output :**

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| Simple Calculator |

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| Enter number 1: |

| [ 12.5 ] |

| |

| Enter number 2: |

| [ 2.5 ] |

| |

| [ + ] [ - ] [ \* ] [ / ] |

| |

| Result: 15.0 |

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