<?xml version="1.0" encoding="UTF-8"?>

<?import java.lang.\*?>

<?import java.util.\*?>

<?import javafx.scene.\*?>

<?import javafx.scene.control.\*?>

<?import javafx.scene.layout.\*?>

<?import javafx.geometry.\*?>

<!--

<AnchorPane id="AnchorPane" prefHeight="500.0" prefWidth="600.0" xmlns:fx="http://javafx.com/fxml/1" fx:controller="w5testfx.FXMLw5testController">

<Button fx:id="btnClick" onAction="#click" AnchorPane.topAnchor="10.0" AnchorPane.leftAnchor="10.0" text="Click Button" />

<Label fx:id="lblOutput" AnchorPane.topAnchor="50.0" AnchorPane.leftAnchor="10.0" />

<Button text="Second Button"></Button>

<Button text="Third Button"></Button>

</AnchorPane> -->

<!--

<FlowPane alignment="TOP\_LEFT" hgap="20" vgap="20" prefHeight="300.0" prefWidth="300.0" xmlns:fx="http://javafx.com/fxml/1" fx:controller="w5testfx.FXMLw5testController">

<children>

<Button text="First"></Button>

<Button text="Second"></Button>

<Button text="Three" />

<Label text="this is first application" />

<TextField text="this is textfield" />

<CheckBox text="RED" />

<RadioButton text="LARGE" />

</children>

</FlowPane>

-->

<!--

<FlowPane alignment="TOP\_LEFT" prefHeight="300.0" prefWidth="300.0" xmlns:fx="http://javafx.com/fxml/1" fx:controller="w5testfx.FXMLw5testController">

<children>

<Button text="First"></Button>

<Button text="Second">

<FlowPane.margin>

<Insets top="20" bottom="20" left="15" right="15" />

</FlowPane.margin>

</Button>

<Button text="Three" />

<Label text="this is first application" />

<TextField text="this is textfield" />

<CheckBox text="RED" />

<RadioButton text="LARGE" />

</children>

</FlowPane>

-->

/\*

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\*/

package w5testfx;

import java.net.URL;

import java.util.ResourceBundle;

import javafx.event.ActionEvent;

import javafx.fxml.FXML;

import javafx.fxml.Initializable;

import javafx.scene.control.Button;

import javafx.scene.control.Label;

/\*\*

\* FXML Controller class

\*

\* @author kantaria

\*/

public class FXMLw5testController implements Initializable {

/\*\*

\* Initializes the controller class.

\*/

@FXML

private Label lblOutput;

@FXML

private Button btnClick;

@FXML

public void click(ActionEvent event)

{

lblOutput.setText("aaaaa Hello, World!");

}

@FXML

private void handleButtonAction(ActionEvent event)

{

}

@Override

public void initialize(URL url, ResourceBundle rb) {

// TODO

}

}

/\*

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\*/

package w5testfx;

import javafx.application.Application;

import javafx.fxml.FXMLLoader;

import javafx.geometry.Pos;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.control.Button;

import javafx.scene.control.Label;

import javafx.scene.control.TextField;

import javafx.scene.layout.FlowPane;

import javafx.stage.Stage;

/\*\*

\*

\* @author kantaria

\*/

public class W5TestFX extends Application{

/\*\*

\* @param args the command line arguments

\*/

public static void main(String[] args) {

launch(args);

}

@Override

public void start(Stage stage) throws Exception {

FlowPane fp=new FlowPane();

fp.setAlignment(Pos.CENTER);

Button btn1=new Button("one");

Label lbl1=new Label("this is test application");

TextField txt1=new TextField();

Button btn2=new Button("two");

Button btn3=new Button("three");

Button btn4=new Button("four");

Button btn5=new Button("five");

fp.getChildren().addAll(btn1,lbl1,txt1,btn2,btn3,btn4,btn5);

//Parent root = FXMLLoader.load(getClass().getResource("FXMLw5test.fxml"));

//Scene sc=new Scene(root);

//stage.setScene(new Scene(root));

Scene sc=new Scene(fp,300,300);

stage.setScene(sc);

stage.setTitle("First JAVAFX Application");

stage.show();

}

}

<?xml version="1.0" encoding="UTF-8"?>

<?import java.lang.\*?>

<?import java.util.\*?>

<?import javafx.scene.\*?>

<?import javafx.scene.control.\*?>

<?import javafx.scene.layout.\*?>

<AnchorPane id="AnchorPane" prefHeight="400.0" prefWidth="600.0" xmlns:fx="http://javafx.com/fxml/1" fx:controller="w6event1.FXMLw6eventController">

</AnchorPane>

/\*

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\*/

package w6event1;

import java.net.URL;

import java.util.ResourceBundle;

import javafx.fxml.Initializable;

/\*\*

\* FXML Controller class

\*

\* @author kantaria

\*/

public class FXMLw6eventController implements Initializable {

/\*\*

\* Initializes the controller class.

\*/

@Override

public void initialize(URL url, ResourceBundle rb) {

// TODO

}

}

/\*

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\*/

package w6event1;

import javafx.application.Application;

import javafx.event.ActionEvent;

import javafx.event.EventHandler;

import javafx.fxml.FXMLLoader;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.control.Alert;

import javafx.scene.control.Button;

import javafx.scene.control.ButtonType;

import javafx.scene.control.Label;

import javafx.scene.control.TextArea;

import javafx.scene.control.TextField;

import javafx.scene.layout.FlowPane;

import javafx.stage.Stage;

/\*\*

\*

\* @author kantaria

\*/

public class W6Event1 extends Application{

/\*\*

\* @param args the command line arguments

\*/

public static void main(String[] args) {

launch(args);

}

@Override

public void start(Stage stage) throws Exception {

// Parent root = FXMLLoader.load(getClass().getResource("FXMLw6event.fxml"));

// stage.setTitle("Event Handling");

// stage.setScene(new Scene(root));

// stage.show();

Label lbl1=new Label("Enter first number:");

Label lbl2=new Label("Enter second number:");

Label lbl3=new Label("Result : ");

TextField txt1=new TextField();

TextField txt2=new TextField();

TextField txt3=new TextField();

TextArea tarea=new TextArea();

Label lblarea=new Label(" Text Area: ");

tarea.setPrefColumnCount(20);

tarea.setPrefRowCount(15);

Button btnadd=new Button("Addition");

Button btnmul=new Button("Multiplication");

Button btnclear=new Button("CLEAR");

Button btnexit=new Button("EXIT");

btnadd.setOnAction(new EventHandler<ActionEvent>(){

public void handle(ActionEvent event)

{

double a=Double.parseDouble(txt1.getText());

double b=Double.parseDouble(txt2.getText());

double c=a+b;

//txt3.setText(String.valueOf(c)); //no control on decimal points

txt3.setText(String.format("%.2f",c)); //how many decimal points to display

tarea.appendText("a="+a+"b="+b+"c="+c+"\n");

}

});

btnmul.setOnAction(new EventHandler<ActionEvent>(){

public void handle(ActionEvent event)

{

double a=Double.parseDouble(txt1.getText());

double b=Double.parseDouble(txt2.getText());

double c=a\*b;

//txt3.setText(String.valueOf(c)); //no control on decimal points

txt3.setText(String.format("%.2f",c)); //how many decimal points to display

tarea.appendText("a="+a+"b="+b+"c="+c+"\n");

}

});

btnclear.setOnAction(new EventHandler<ActionEvent>(){

public void handle(ActionEvent event)

{

txt1.clear();

txt2.clear();

txt3.clear();

tarea.clear();

}

});

btnexit.setOnAction(new EventHandler<ActionEvent>(){

public void handle(ActionEvent event)

{

Alert a=new Alert(Alert.AlertType.CONFIRMATION);

a.setTitle("Exit confirmation!!");

a.setHeaderText("Confirmation");

a.setContentText("press OK if you want to exit");

a.showAndWait().ifPresent(response -> {

if(response == ButtonType.OK)

{

System.exit(0);

}

});

}

});

FlowPane fp=new FlowPane(lbl1,txt1,lbl2,txt2,lbl3,txt3,btnadd,btnmul,btnclear,btnexit,lblarea,tarea);

Scene sc=new Scene(fp,350,300);

stage.setTitle("Event Handling");

stage.setScene(sc);

stage.show();

}

}