REG.NO---16BCE0719

NAME -- DEVANSH SRIVASTAVA

**JAVA PROGRAMMING LAB – EXPERIMENT 9 JAVAFX**

**CODE:**

package exp9;

import javafx.application.Application;

import javafx.event.ActionEvent;

import javafx.event.EventHandler;

import javafx.scene.Group;

import javafx.scene.Scene;

import javafx.scene.control.Button;

import javafx.scene.input.MouseEvent;

import javafx.scene.layout.StackPane;

import javafx.scene.layout.TilePane;

import javafx.stage.Stage;

import javafx.scene.shape.Circle;

import javafx.scene.paint.Color;

public class Exp9 extends Application {

@Override

public void start(Stage primaryStage) {

Circle circle = new Circle();

circle.setCenterX(200);

circle.setCenterY(200);

circle.setRadius(30);

Button btn1 = new Button("Move Left Side");

Button btn2 = new Button("Move Right Side");

Button btn3 = new Button("Move Top");

Button btn4 = new Button("Move Bottom");

Button btn5 = new Button("Reset");

EventHandler<ActionEvent> eventHandler1= new EventHandler<ActionEvent>() {

@Override

public void handle(ActionEvent event) {

circle.setCenterX(100);

circle.setCenterY(200);

}

};

EventHandler<ActionEvent> eventHandler2= new EventHandler<ActionEvent>() {

@Override

public void handle(ActionEvent event) {

circle.setCenterX(450);

circle.setCenterY(200);

}

};

EventHandler<ActionEvent> eventHandler3= new EventHandler<ActionEvent>() {

@Override

public void handle(ActionEvent event) {

circle.setCenterX(275);

circle.setCenterY(100);

}

};

EventHandler<ActionEvent> eventHandler4= new EventHandler<ActionEvent>() {

@Override

public void handle(ActionEvent event) {

circle.setCenterX(275);

circle.setCenterY(300);

}

};

EventHandler<ActionEvent> eventHandler5= new EventHandler<ActionEvent>() {

@Override

public void handle(ActionEvent event) {

circle.setCenterX(275);

circle.setCenterY(200);

}

};

btn1.setOnAction(eventHandler1);

btn2.setOnAction(eventHandler2);

btn3.setOnAction(eventHandler3);

btn4.setOnAction(eventHandler4);

btn5.setOnAction(eventHandler5);

Group root = new Group();

root.getChildren().add(btn1);

root.getChildren().add(btn2);

root.getChildren().add(btn3);

root.getChildren().add(btn4);

root.getChildren().add(btn5);

root.getChildren().add(circle);

Scene scene=new Scene(root, 500,500);

primaryStage.setScene(scene);

primaryStage.show();

}

public static void main(String[] args) {

launch(args);

}

}

# import javafx.application.Application;

# import static javafx.application.Application.launch;

# import javafx.scene.Group;

# import javafx.scene.Scene;

# import javafx.scene.control.Button;

# import javafx.scene.layout.Pane;

# import javafx.scene.shape.Circle;

# import javafx.stage.Stage;

# public class Arinjay16bit0059 extends Application {

# 

# static Circle circle = new Circle();

# @Override

# @SuppressWarnings("empty-statement")

# public void start(Stage primaryStage) {

# Button btn = new Button();

# btn.setText("Say 'Hello World'");

# circle.setCenterX(500f);

# circle.setCenterY(250f);

# circle.setRadius(45.0f);

# circle.setFill(javafx.scene.paint.Color.BLUE);

# Group root = new Group(circle);

# Button mls = new Button("Move Left Side");

# Button mrs = new Button("Move Right Side");

# Button mt = new Button("Move Top");

# Button reset = new Button("Reset");

# Button mb = new Button("Move Bottom");

# mls.setLayoutX(380);

# mls.setLayoutY(500);

# 

# mrs.setLayoutX(520);

# mrs.setLayoutY(500);

# 

# mt.setLayoutX(330);

# mt.setLayoutY(570);

# 

# reset.setLayoutX(500);

# reset.setLayoutY(570);

# 

# mb.setLayoutX(620);

# mb.setLayoutY(570);

# 

# 

# Pane r = new Pane();

# r.getChildren().addAll(root,mls,mrs,mt,reset,mb);

# 

# 

# 

# mls.setOnAction(e -> {

# circle.setCenterX(circle.getCenterX()-10);

# 

# });

# mrs.setOnAction(e -> {

# circle.setCenterX(circle.getCenterX()+10);

# 

# });

# mt.setOnAction(e -> {

# circle.setCenterY(circle.getCenterY()-10);

# 

# });

# reset.setOnAction(e -> {

# circle.setCenterX(500f);

# circle.setCenterY(250f);

# 

# });

# mb.setOnAction(e -> {

# circle.setCenterY(circle.getCenterY()+10);

# 

# });

# Scene scene = new Scene(r, 1000, 700);

# primaryStage.setTitle("DEVANSH SRIVASTAVA 16BCE0719");

# primaryStage.setScene(scene);

# primaryStage.show();

# }

# public static void main(String[] args) {

# launch(args);

# }

# }