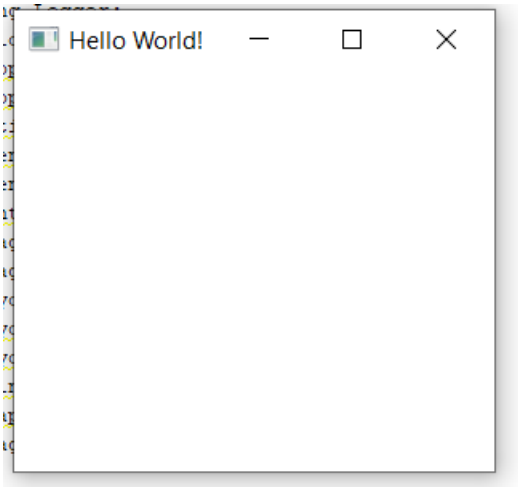
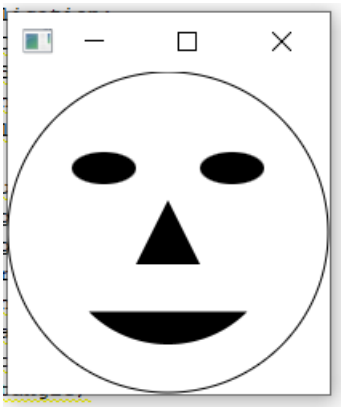



```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package javafxapplication1;

import java.util.logging.Level;
import java.util.logging.Logger;
import javafx.application.Application;
import javafx.beans.property.DoubleProperty;
import javafx.beans.property.SimpleDoubleProperty;
import javafx.event.ActionEvent;
import javafx.event.EventHandler;
import javafx.scene.Scene;
import javafx.scene.control.Button;
import javafx.scene.image.Image;
import javafx.scene.image.ImageView;
```

```
import javafx.scene.layout.BorderPane;
import javafx.scene.layout.Pane;
import javafx.scene.layout.StackPane;
import javafx.scene.paint.Color;
import javafx.scene.shape.Rectangle;
import javafx.stage.Stage;

/**
 *
 * @author Mohmedsabry
 */
public class JavaFXApplication1 extends Application {
   int i =0;
   @Override
   public void start(Stage primaryStage) {
      String arr[] =
{"javafxapplication1/464917524_386100.jpg","javafxapplication1/464929863_300216.jpg","javafxapplic
ation1/464930771_376723.jpg",
         "javafxapplication1/465012146_398068.jpg"};
//       Image img = new Image(arr[0]);
      ImageView imgview = new ImageView();
      imgview.setFitWidth(150);
      imgview.setFitHeight(150);
      BorderPane root = new BorderPane();
      root.setCenter(imgview);
      Scene scene = new Scene(root, 300, 250);
      Thread t = new Thread(new Runnable() {
         @Override
         public void run() {
```

```
        try {

            while (true) {
            Thread.sleep(1000);
            imgview.setImage(new Image(arr[i]));
            i++;
            System.out.println("i = "+i);
            if(i==4){
               i=0;
            }
            }
        } catch (InterruptedException ex) {
            Logger.getLogger(JavaFXApplication1.class.getName()).log(Level.SEVERE, null, ex);
        }
      }
   });
   primaryStage.setTitle("Hello World!");
   primaryStage.setScene(scene);
   primaryStage.show();
   t.start();



}

/**
 * @param args the command line arguments
 */
public static void main(String[] args) {
```

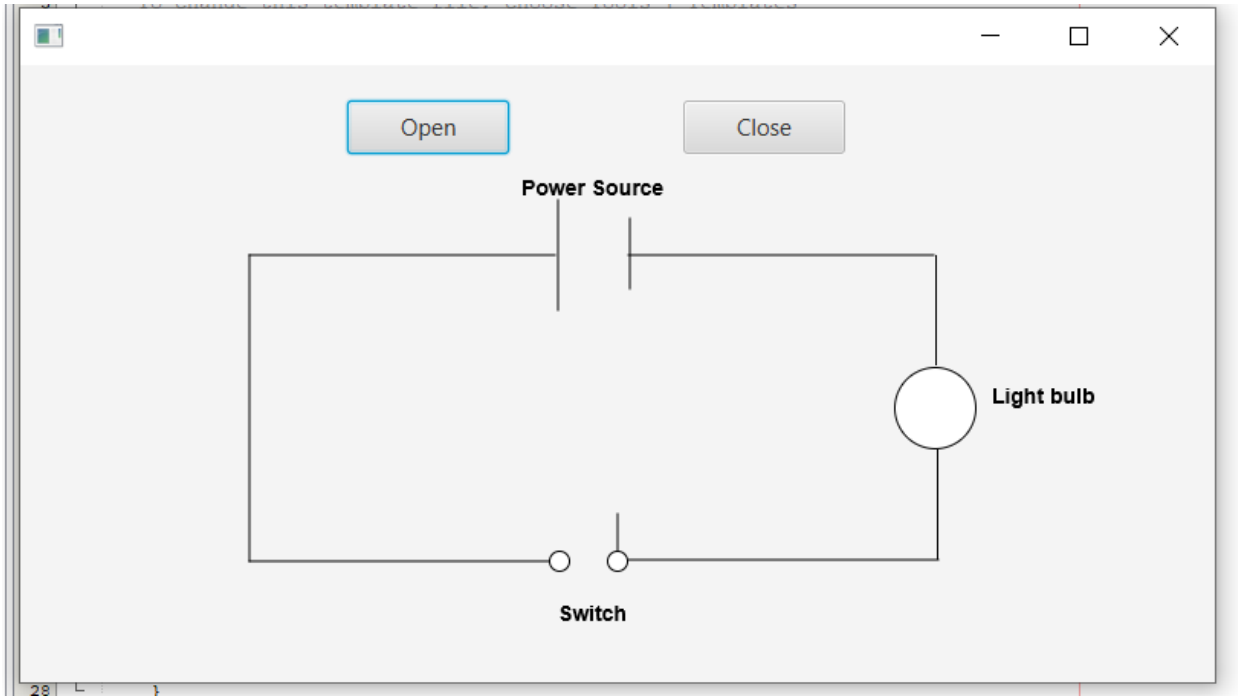
```
//
//DoubleProperty x = new SimpleDoubleProperty(3);//x = 3
//DoubleProperty y = new SimpleDoubleProperty(6); // y = 6
//y.bind(x.add(5));
//
//System.out.println("x is " + x.getValue() + " " + "Y is " + y.getValue());
//x.setValue(10.0);
//System.out.println("x is " + x.getValue() + " " + "Y is " + y.getValue());
        launch(args);
  }
}
```



```
package javafx_task;

import javafx.application.Application;
import javafx.event.ActionEvent;
import javafx.event.EventHandler;
import javafx.scene.Scene;
import javafx.scene.control.Button;
import javafx.scene.layout.Pane;
import javafx.scene.layout.StackPane;
```

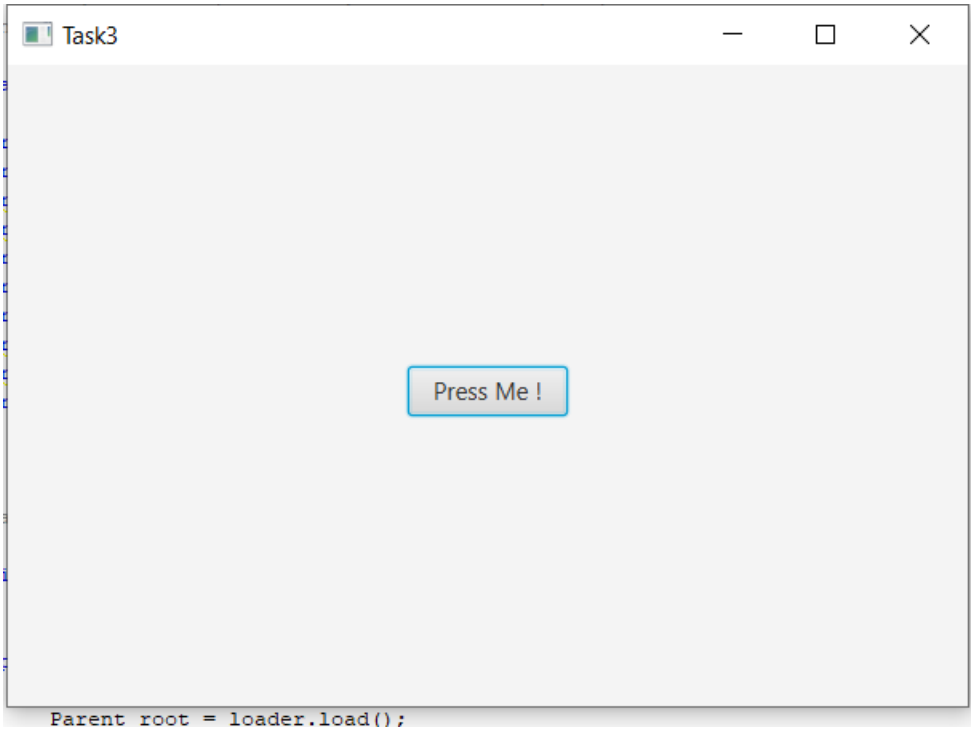
```
import javafx.scene.paint.Color;
import javafx.scene.shape.Arc;
import javafx.scene.shape.ArcType;
import javafx.scene.shape.Circle;
import javafx.scene.shape.Ellipse;
import javafx.scene.shape.Polygon;
import javafx.stage.Stage;

/**
 *
 * @author wsara
 */
public class JavaFX_Task extends Application {

    @Override
    public void start(Stage primaryStage) {
        Pane pane = new Pane();
        Circle circle = new Circle();
        circle.setCenterX(100);
        circle.setCenterY(100);
        circle.setRadius(100);
        circle.setStroke(Color.BLACK);
        circle.setFill(Color.WHITE);
        pane.getChildren().add(circle);

        Ellipse e1 = new Ellipse(60, 60, 20, 10);
        Ellipse e2 = new Ellipse(140, 60, 20, 10);
        pane.getChildren().add(e1);
        pane.getChildren().add(e2);
```

```
        Polygon polygon = new Polygon(100, 80, 80, 120, 120, 120);
        pane.getChildren().add(polygon);

        Arc arc = new Arc(100, 100, 70, 70, -45, -90);
        arc.setType(ArcType.CHORD);
        pane.getChildren().add(arc);

        Scene scene = new Scene(pane);
        primaryStage.setTitle("Task!");
        primaryStage.setScene(scene);
        primaryStage.show();

    }

    public static void main(String[] args) {
        launch(args);
    }

}
```



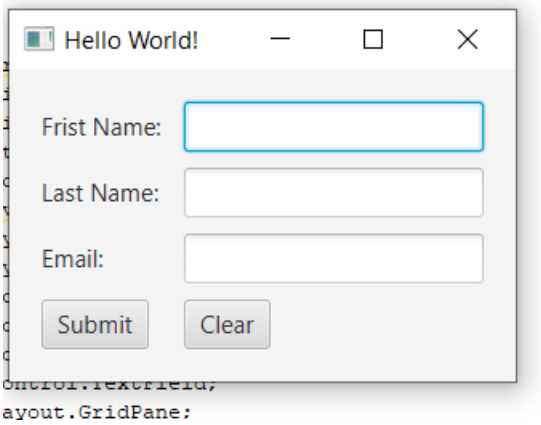

```
package task6;

import javafx.application.Application;
import javafx.fxml.FXMLLoader;
import javafx.scene.Parent;
import javafx.scene.Scene;
import javafx.stage.Stage;

/**
 *
 * @author khaled
 */
public class Task6 extends Application {

    @Override
```

```
    public void start(Stage stage) throws Exception {
        Parent root = FXMLLoader.load(getClass().getResource("FXMLDocument.fxml"));

        Scene scene = new Scene(root);

        stage.setScene(scene);
        stage.show();
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        launch(args);
    }

}
```




```
package task3;

import java.io.IOException;
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.Button;
import javafx.scene.layout.StackPane;
import javafx.stage.Stage;

/**
 *
```

```
 * @author HaNdSyA---
 */
public class Task3 extends Application {


    @Override
    public void start(Stage primaryStage) throws IOException {
        FXMLLoader loader = new FXMLLoader(getClass().getResource("FXML.fxml"));
        Parent root = loader.load();
        Scene scene = new Scene(root);
        primaryStage.setTitle("First App");
        primaryStage.setScene(scene);
        primaryStage.show();


    }


    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        launch(args);
    }


}
```

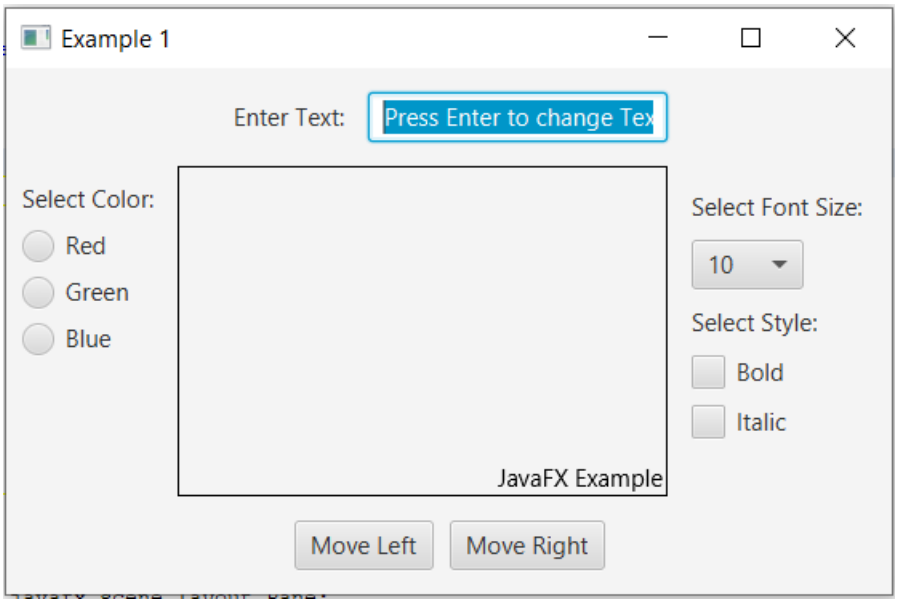



```
package task4;

import java.io.*;

import java.io.File;

import java.io.PrintWriter;

import java.util.logging.Level;

import java.util.logging.Logger;

import javafx.application.Application;

import javafx.event.ActionEvent;

import javafx.event.EventHandler;

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.GridPane;

import javafx.scene.layout.StackPane;

import javafx.stage.Stage;

import javax.swing.JOptionPane;
```

```
/**
 *
 * @author khaled
 */
public class Task4 extends Application {

    @Override
    public void start(Stage primaryStage) {
        GridPane pane =  new GridPane();
        pane.setVgap(10);
        pane.setHgap(10);
        pane.setPadding(new Insets(20));
        Label l1 = new Label("Frist Name: ");
        Label l2 = new Label("Last Name: ");
        Label l3 = new Label("Email: ");
        TextField tf1 = new TextField();
        TextField tf2 = new TextField();
        TextField tf3 = new TextField();
        Button b1 = new Button("Submit");
        Button b2 = new Button("Clear");
        pane.add(l1, 0, 0);
        pane.add(tf1, 1, 0);
        pane.add(l2, 0, 1);
        pane.add(tf2, 1, 1);
        pane.add(l3, 0, 2);
        pane.add(tf3, 1, 2);
        pane.add(b1, 0, 3);
        pane.add(b2, 1, 3);
        pane.setAlignment(Pos.CENTER);
```

```
b1.setOnAction((ActionEvent event) -> {
    FileWriter file = null;
    try {
        file = new FileWriter("D:/NetBeans Java/Test.txt");
        file.write("the user name is: "+tf1.getText()+"\n");
        file.write("the last name is: "+tf2.getText()+"\n");
        file.write("the email address is: "+tf3.getText()+"\n");
        file.close();
        JOptionPane.showMessageDialog(null, "the file is written");
    } catch (IOException ex) {
        Logger.getLogger(Task4.class.getName()).log(Level.SEVERE, null, ex);
    } finally {
        try {
            file.close();
        } catch (IOException ex) {
            Logger.getLogger(Task4.class.getName()).log(Level.SEVERE, null, ex);
        }
    }

});

  b2.setOnAction((ActionEvent event) -> {

    tf1.setText("");
    tf2.setText("");
```

```
            tf3.setText("");
            JOptionPane.showMessageDialog(null, "the data is deleted");

            });

        Scene scene = new Scene(pane);

        primaryStage.setTitle("Hello World!");
        primaryStage.setScene(scene);
        primaryStage.show();
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        launch(args);
    }

}
```




```
package task2;


import javafx.geometry.Insets;
import javafx.application.Application;
import javafx.event.ActionEvent;
import javafx.event.EventHandler;
import javafx.geometry.Pos;
import javafx.scene.Scene;
import javafx.scene.control.Button;
import javafx.scene.control.CheckBox;
import javafx.scene.control.ComboBox;
import javafx.scene.control.Label;
import javafx.scene.control.RadioButton;
import javafx.scene.control.TextField;
import javafx.scene.control.ToggleGroup;
import javafx.scene.image.ImageView;
import javafx.scene.layout.BorderPane;
```

```
import javafx.scene.layout.GridPane;
import javafx.scene.layout.HBox;
import javafx.scene.layout.Pane;
import javafx.scene.layout.StackPane;
import javafx.scene.layout.VBox;
import javafx.scene.paint.Color;
import javafx.scene.text.Font;
import javafx.scene.text.FontPosture;
import javafx.scene.text.FontWeight;
import javafx.scene.text.Text;
import javafx.stage.Stage;



public class Task2 extends Application {

   @Override
   public void start(Stage primaryStage) {
     Text text = new Text(200, 200,"JavaFX Example");
         Pane center = new Pane();
         center.getChildren().add(text);
         center.setStyle("-fx-border-color: black");
         Label label1 = new Label("Enter Text: ");
         TextField textField = new TextField("Press Enter to change Text");
         HBox top = new HBox(10);
         top.setPadding(new Insets(15));
         top.getChildren().addAll(label1, textField);
         top.setAlignment(Pos.CENTER);
         Label label2 = new Label("Select Color: ");
         RadioButton radioButton1 = new RadioButton("Red");
```

```
RadioButton radioButton2 = new RadioButton("Green");
RadioButton radioButton3 = new RadioButton("Blue");
ToggleGroup toggleGroup = new ToggleGroup();
radioButton1.setToggleGroup(toggleGroup);
radioButton2.setToggleGroup(toggleGroup);
radioButton3.setToggleGroup(toggleGroup);

GridPane left = new GridPane();
   left.setVgap(8);
   left.setPadding(new Insets(10));
   left.addColumn(0, label2, radioButton1, radioButton2, radioButton3);
   Label label3 = new Label("Select Font Size: ");
   ComboBox<Integer> comboBox = new ComboBox<>();
   comboBox.getItems().add(10);
   comboBox.getItems().add(12);
   comboBox.getItems().add(14);
   comboBox.getItems().add(16);
   comboBox.getItems().add(18);
   comboBox.getItems().add(20);
   comboBox.setValue(10);
   Label label4 = new Label("Select Style:");
   CheckBox checkBox1 = new CheckBox("Bold");
   CheckBox checkBox2 = new CheckBox("Italic");

VBox right = new VBox(10);
   right.setPadding(new Insets(15));
   right.getChildren().addAll(label3, comboBox, label4, checkBox1, checkBox2);
   Button button1 = new Button("Move Left");
   Button button2 = new Button("Move Right");
```

```
    HBox bottom = new HBox(10);
    bottom.setPadding(new Insets(15));
    bottom.getChildren().addAll(button1, button2);
    bottom.setAlignment(Pos.CENTER);
    BorderPane borderPane = new BorderPane();
    borderPane.setTop(top);
    borderPane.setLeft(left);
    borderPane.setRight(right);
    borderPane.setBottom(bottom);
    borderPane.setCenter(center);
button1.setOnAction(e -> {
    text.setX(text.getX() - 10);
    });
    button2.setOnAction(e -> {
    text.setX(text.getX() + 10);
    });
    textField.setOnAction(e -> {
    text.setText(textField.getText());
    });
    radioButton1.setOnAction(e -> {
    text.setFill(Color.RED);
    });
    radioButton2.setOnAction(e -> {
    text.setFill(Color.GREEN);
    });
    radioButton3.setOnAction(e -> {
    text.setFill(Color.BLUE);
    });
  checkBox1.setOnAction(e -> {
```

```
 if(checkBox1.isSelected() && checkBox2.isSelected()){
 text.setFont(Font.font("Times New Roman", FontWeight.BOLD,
 FontPosture.ITALIC, comboBox.getValue()));
 }
 else if (checkBox1.isSelected() && !checkBox2.isSelected() ){
 text.setFont(Font.font("Times New Roman", FontWeight.BOLD,
 FontPosture.REGULAR, comboBox.getValue()));
 }
 else if (!checkBox1.isSelected() && checkBox2.isSelected()){
 text.setFont(Font.font("Times New Roman",FontWeight.NORMAL,
 FontPosture.ITALIC, comboBox.getValue()));
 }
 else if( !checkBox1.isSelected() && !checkBox2.isSelected()){
 text.setFont(Font.font("Times New Roman", FontWeight.NORMAL,
 FontPosture.REGULAR, comboBox.getValue()));
 }
 });
checkBox2.setOnAction(e -> {
 if(checkBox1.isSelected() && checkBox2.isSelected()){
 text.setFont(Font.font("Times New Roman", FontWeight.BOLD,
 FontPosture.ITALIC, comboBox.getValue()));
 }
 else if (checkBox1.isSelected() && !checkBox2.isSelected() ){
 text.setFont(Font.font("Times New Roman", FontWeight.BOLD,
 FontPosture.REGULAR, comboBox.getValue()));
 }
 else if (!checkBox1.isSelected() && checkBox2.isSelected()){
 text.setFont(Font.font("Times New Roman",FontWeight.NORMAL,
 FontPosture.ITALIC, comboBox.getValue()));
```

```
            }
            else if( !checkBox1.isSelected() && !checkBox2.isSelected()){
            text.setFont(Font.font("Times New Roman", FontWeight.NORMAL,
            FontPosture.REGULAR, comboBox.getValue()));
            }
            });
           Scene scene = new Scene(borderPane);
            primaryStage.setTitle("Example 1");
            primaryStage.setScene(scene);
            primaryStage.show();



    }



    public static void main(String[] args) {
        launch(args);
    }

}
```