**JavaFX:**

*package javafx2;*

*import javafx.application.Application;*

*import static javafx.application.Application.launch;*

*import javafx.application.Platform;*

*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.RadioButton;*

*import javafx.scene.control.ScrollPane;*

*import javafx.scene.control.TextField;*

*import javafx.scene.control.ToggleGroup;*

*import javafx.scene.image.ImageView;*

*import javafx.scene.layout.GridPane;*

*import javafx.scene.text.Font;*

*import javafx.scene.text.FontPosture;*

*import javafx.scene.text.FontWeight;*

*import javafx.stage.Stage;*

*import javafx.event.\*;*

*import java.util.regex.Matcher;*

*import java.util.regex.Pattern;*

*public class JavaFX2 extends Application {*

*boolean test=false;*

*public void start(Stage primaryStage) {*

*primaryStage.setTitle("WELCOME");*

*Label label1= new Label("Who is the father \nof Indian Constitution?");*

*Label label2= new Label("Hitler party which came into\n power in 1933 is known as ?");*

*Label label3= new Label("IDENTIFY NATIONAL BIRD OF ");*

*Label label4= new Label("Manchester ofIndia ?");*

*Label label5= new Label("INDIA?");*

*Label labelresponse= new Label();*

*label1.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 35));*

*label2.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 30));*

*label3.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 30));*

*label4.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 30));*

*label5.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 30));*

*Button button0= new Button("TAKE QUIZ");*

*button0.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR,30));*

*Button button= new Button("NEXT");*

*Button button2= new Button("PREV");*

*Button button3= new Button("NEXT");*

*Button button4= new Button("PREV");*

*Button button5= new Button("NEXT");*

*Button button6= new Button("PREV");*

*Button button7= new Button("NEXT");*

*Button button8= new Button("PREV");*

*Button button9= new Button("SUBMIT");*

*button.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));*

*button2.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));*

*button3.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));*

*button4.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));*

*button5.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));*

*button6.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));*

*button7.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));*

*button8.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));*

*button9.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));*

*RadioButton radio1, radio2, radio3, radio4;*

*radio1=new RadioButton("Dr. B.R. AMBEDKAR");*

*radio2= new RadioButton("SARVEPALLI RADHAKRISHNA");*

*radio3= new RadioButton("VALLABHBHAI PATEL");*

*radio4= new RadioButton("JAWAHARLAL NEHRU");*

*RadioButton radio5=new RadioButton("Labour Party");*

*RadioButton radio6= new RadioButton("Nazi Party");*

*RadioButton radio7= new RadioButton("Ku-Klux-Klan");*

*RadioButton radio8= new RadioButton("Democratic Party");*

*ToggleGroup question1= new ToggleGroup();*

*ToggleGroup question2= new ToggleGroup();*

*radio1.setToggleGroup(question1);*

*radio2.setToggleGroup(question1);*

*radio3.setToggleGroup(question1);*

*radio4.setToggleGroup(question1);*

*radio5.setToggleGroup(question2);*

*radio6.setToggleGroup(question2);*

*radio7.setToggleGroup(question2);*

*radio8.setToggleGroup(question2);*

*radio1.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 15));*

*radio2.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 15));*

*radio3.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 15));*

*radio4.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 15));*

*radio5.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));*

*radio6.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));*

*radio7.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));*

*radio8.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));*

*radio1.setSelected(true);*

*radio5.setSelected(true);*

*radio1.setOnAction(e -> button.setDisable(false) );*

*radio2.setOnAction(e -> button.setDisable(false) );*

*radio3.setOnAction(e -> button.setDisable(false) );*

*radio4.setOnAction(e -> button.setDisable(false) );*

*GridPane layout1= new GridPane();*

*layout1.setMinSize(400, 200);*

*layout1.setPadding(new Insets(10, 10, 10, 10));*

*layout1.setVgap(30);*

*layout1.setHgap(30);*

*layout1.setAlignment(Pos.CENTER);*

*layout1.add(label1, 0, 0);*

*layout1.add(radio1, 0, 2);*

*layout1.add(radio2, 1, 2);*

*layout1.add(radio3, 0, 3);*

*layout1.add(radio4, 1, 3);*

*layout1.add(button, 1, 6);*

*Scene scene1= new Scene(layout1, 800, 500);*

*radio5.setOnAction(e -> button.setDisable(false) );*

*radio6.setOnAction(e -> button.setDisable(false) );*

*radio7.setOnAction(e -> button.setDisable(false) );*

*radio8.setOnAction(e -> button.setDisable(false) );*

*button2.setLayoutX(100);*

*GridPane layout2= new GridPane();*

*layout2.setMinSize(400, 200);*

*layout2.setPadding(new Insets(10, 10, 10, 10));*

*layout2.setVgap(20);*

*layout2.setHgap(20);*

*layout2.setAlignment(Pos.CENTER);*

*layout2.add(label2, 0, 0);*

*layout2.add(radio5, 0, 2);*

*layout2.add(radio6, 1, 2);*

*layout2.add(radio7, 0, 3);*

*layout2.add(radio8, 1, 3);*

*layout2.add(button2, 0, 6);*

*layout2.add(button3, 1, 6);*

*Scene scene2= new Scene(layout2, 800, 500);*

*ImageView im1 = new ImageView("file:///C:\\Users\\KHUSHI TALESRA\\Pictures\\dove.png");*

*im1.setFitWidth(200);*

*im1.setFitHeight(150);*

*im1.setPreserveRatio(true);*

*ImageView im2 = new ImageView("file:///C:\\Users\\KHUSHI TALESRA\\Pictures\\tiger.png");*

*im2.setFitWidth(200);*

*im2.setFitHeight(150);*

*im2.setPreserveRatio(true);*

*ImageView im3 = new ImageView("file:///C:\\Users\\KHUSHI TALESRA\\Pictures\\peacock.png");*

*im3.setFitWidth(200);*

*im3.setFitHeight(150);*

*im3.setPreserveRatio(true);*

*ImageView im4 = new ImageView("file:///C:\\Users\\KHUSHI TALESRA\\Pictures\\redbird.png");*

*im4.setFitWidth(200);*

*im4.setFitHeight(150);*

*im4.setPreserveRatio(true);*

*Button opt1 = new Button("",im1);*

*Button opt2 = new Button("",im2);*

*Button opt3 = new Button("",im3);*

*Button opt4 = new Button("",im4);*

*GridPane layout3= new GridPane();*

*layout3.setMinSize(400, 200);*

*layout3.setPadding(new Insets(10, 10, 10, 10));*

*layout3.setVgap(10);*

*layout3.setHgap(10);*

*layout3.setAlignment(Pos.CENTER);*

*layout3.add(label3, 0, 0);*

*layout3.add(label5, 1, 0);*

*layout3.add(opt1, 0, 1);*

*layout3.add(opt2, 1, 1);*

*layout3.add(opt3, 0, 4);*

*layout3.add(opt4, 1, 4);*

*layout3.add(button4, 0, 5);*

*layout3.add(button5, 1, 5);*

*Scene scene3= new Scene(layout3, 800, 500);*

*ImageView im5 = new ImageView("file:///C:\\Users\\KHUSHI TALESRA\\Pictures\\multiple.png");*

*im5.setFitWidth(600);*

*im5.setFitHeight(500);*

*im5.setPreserveRatio(true);*

*RadioButton a= new RadioButton("(A)");*

*RadioButton b= new RadioButton("(B)");*

*RadioButton c= new RadioButton("(C)");*

*RadioButton d= new RadioButton("(D)");*

*GridPane layout4= new GridPane();*

*layout4.setMinSize(400, 200);*

*layout4.setAlignment(Pos.CENTER);*

*layout4.setPadding(new Insets(10, 10, 10, 10));*

*layout4.setVgap(20);*

*layout4.setHgap(20);*

*layout4.add(a, 0, 1);*

*layout4.add(b, 1, 1);*

*layout4.add(c, 0, 3);*

*layout4.add(d, 1, 3);*

*layout4.add(button6, 0, 4);*

*layout4.add(button7, 1, 4);*

*layout4.add(im5, 0, 0);*

*Scene scene4= new Scene(layout4, 800, 500);*

*ImageView im6 = new ImageView("file:///C:\\Users\\KHUSHI TALESRA\\Pictures\\integer.png");*

*im6.setFitWidth(600);*

*im6.setFitHeight(500);*

*im6.setPreserveRatio(true);*

*TextField tx=new TextField();*

*tx.setPromptText("THIS IS MANDATORY QUESTION ENTER VALID INTEGER");*

*GridPane layout5= new GridPane();*

*layout5.setMinSize(400, 200);*

*layout5.setPadding(new Insets(10, 10, 10, 10));*

*layout5.setVgap(20);*

*layout5.setHgap(20);*

*layout5.add(im6, 0, 1);*

*layout5.add(tx, 0, 2);*

*tx.setFont((Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20)));*

*layout5.add(button8, 0, 3);*

*layout5.add(button9, 1, 3);*

*layout5.setAlignment(Pos.CENTER);*

*Scene scene5= new Scene(layout5, 800, 500);*

*Button Button10=new Button("RETURN");*

*Button Button11=new Button("CONFIRM");*

*Button10.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));*

*Button11.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));*

*Label lb= new Label(" DO YOU WANT TO SUBMIT?");*

*Label sc= new Label("");*

*lb.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 30));*

*sc.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 40));*

*GridPane layout6= new GridPane();*

*layout6.setMinSize(400, 200);*

*layout6.setPadding(new Insets(10, 10, 10, 10));*

*layout6.setVgap(30);*

*layout6.setHgap(30);*

*layout6.add(lb, 0, 1);*

*layout6.add(Button10, 0, 5);*

*layout6.add(Button11, 1, 5);*

*layout6.setAlignment(Pos.CENTER);*

*Scene scene6= new Scene(layout6, 800, 500);*

*GridPane layout7= new GridPane();*

*layout7.setMinSize(400, 200);*

*Label sub=new Label("SUCCESFULLY SUBMITED");*

*Label scrlLabel = new Label("THE ANSWER KEY\n\n"+"QUESTION 1\n"+"A\n\n"+"QUESTION 2\n"+"B\n\n"+"QUESTION 3\n"+"C\n\n"+"QUESTION 4\n\n"+"A C D\n\n"+"QUESTION 5\n\n"+"3\n");*

*ScrollPane scrlPane = new ScrollPane(scrlLabel);*

*scrlLabel.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR,20));*

*sub.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 40));*

*scrlPane.setPrefViewportWidth(130);*

*Button Button12=new Button("EXIT");*

*Button12.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR,20));*

*scrlPane.setPrefViewportHeight(200);*

*scrlPane.setPannable(true);*

*layout7.setAlignment(Pos.CENTER);*

*layout7.setPadding(new Insets(10, 10, 10, 10));*

*layout7.setVgap(20);*

*layout7.setHgap(20);*

*layout7.add(sub, 0, 1);*

*layout7.add(sc, 0, 2);*

*layout7.add(Button12, 1, 4);*

*layout7.add(scrlPane, 0, 3);*

*Scene scene7= new Scene(layout7, 800, 500);*

*opt1.setOnAction(e ->*

*{*

*test=false;*

*}*

*);*

*opt2.setOnAction(e ->*

*{*

*test=false;*

*}*

*);*

*opt3.setOnAction(e ->*

*{*

*test=true;*

*}*

*);*

*opt4.setOnAction(e ->*

*{*

*test=false;*

*}*

*);*

*button0.setOnAction(e ->*

*{primaryStage.setTitle("QUESTION 1");*

*primaryStage.setScene(scene1);*

*}*

*);*

*button.setOnAction(e ->*

*{*

*primaryStage.setTitle("QUESTION 2");*

*primaryStage.setScene(scene2);*

*}*

*);*

*button2.setOnAction(e ->*

*{primaryStage.setTitle("QUESTION 1");*

*primaryStage.setScene(scene1);*

*}*

*);*

*button3.setOnAction(e ->*

*{primaryStage.setTitle("QUESTION 3");*

*primaryStage.setScene(scene3);*

*}*

*);*

*button4.setOnAction(e ->*

*{primaryStage.setTitle("QUESTION 2");*

*primaryStage.setScene(scene2);*

*}*

*);*

*button5.setOnAction(e ->*

*{primaryStage.setTitle("QUESTION 4");*

*primaryStage.setScene(scene4);*

*}*

*);*

*button6.setOnAction(e ->*

*{primaryStage.setTitle("QUESTION 3");*

*primaryStage.setScene(scene3);*

*}*

*);*

*button7.setOnAction(e ->*

*{primaryStage.setTitle("QUESTION 5");*

*primaryStage.setScene(scene5);*

*}*

*);*

*button8.setOnAction(e ->*

*{primaryStage.setTitle("QUESTION 4");*

*primaryStage.setScene(scene4);*

*}*

*);*

*button9.setOnAction(e ->*

*{*

*primaryStage.setTitle("CONFIRMATION");*

*primaryStage.setScene(scene6);*

*}*

*);*

*Button10.setOnAction(e ->*

*{primaryStage.setTitle("QUESTION 5");*

*primaryStage.setScene(scene5);*

*}*

*);*

*Button11.setOnAction((ActionEvent ae) -> {*

*Pattern pat =Pattern.compile(tx.getText());*

*Matcher mat;*

*int marks=0;*

*mat=pat.matcher("3");*

*try{*

*int k=Integer.parseInt(tx.getText());*

*if(radio1.isSelected())*

*{ marks+=5;}*

*if(radio6.isSelected())*

*marks+=5;*

*if(test)*

*marks+=10;*

*if(a.isSelected())*

*if(d.isSelected())*

*if(c.isSelected())*

*if(!b.isSelected())*

*marks=marks+15;*

*if(mat.matches())*

*marks=marks+15;*

*sc.setText("MARKS SCORED\n"+marks+"/50 ");*

*primaryStage.setScene(scene7);*

*}*

*catch(Exception e)*

*{primaryStage.setScene(scene5);*

*}*

*});*

*Button12.setOnAction(e ->*

*{*

*Platform.exit();*

*}*

*);*

*ImageView im0 = new ImageView("file:///C:\\Users\\KHUSHI TALESRA\\Pictures\\Saved Pictures\\logo.JPG");*

*im1.setFitWidth(500);*

*im2.setPreserveRatio(true);*

*Label label0= new Label("QUIZ PORTAL");*

*Label label11=new Label("Max. Marks: 50");*

*label0.setId("fancytext");*

*label0.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR,70));*

*label11.setId("fancytext");*

*label11.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR,20));*

*GridPane layout0= new GridPane();*

*layout0.setMinSize(400, 200);*

*layout0.setPadding(new Insets(10, 10, 10, 10));*

*layout0.setVgap(20);*

*layout0.setHgap(20);*

*layout0.add(im0, 0, 1);*

*layout0.add(label0, 1, 1);*

*layout0.add(label11, 1, 3);*

*layout0.add(button0, 1, 5);*

*Scene scene0= new Scene(layout0, 800, 500);*

*primaryStage.setScene(scene0);*

*primaryStage.show();*

*}*

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

*launch(args);*

*}*

*}*