FALL SEM (2020-21)

CSE2005

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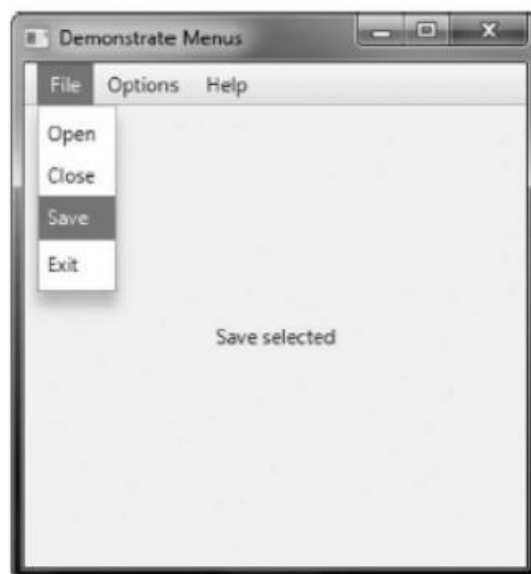
REG NO : 19BCD7246

LAB NO : 12

SLOT : L5

QUESTION

Write a program using JavaFX controls for creating a menu as shown in the figure below:

CODE:

```java
package myfirstjavafx;

import javafx.application.Application;

import javafx.scene.Scene;

import javafx.scene.layout.*;

import javafx.event.ActionEvent;

import javafx.event.EventHandler;

import javafx.scene.control.*;

import javafx.stage.Stage;

public class FXMain extends Application {

    public static void main(String[] args) {

    launch(args);

        }


    @Override
    public void start(Stage primaryStage) throws Exception {

        MenuBar menubar = new MenuBar();

        primaryStage.setTitle("Demonstation of menus");

        BorderPane bp = new BorderPane();

        Menu FileMenu = new Menu("File");

        MenuItem filemenu1=new MenuItem("Open");

        MenuItem filemenu2=new MenuItem("Close");

        MenuItem filemenu3=new MenuItem("Save");

        MenuItem filemenu4=new MenuItem("Exit");

        Menu OMenu=new Menu("Options");

        MenuItem OMenu1=new MenuItem("Option1");

        MenuItem OMenu2=new MenuItem("Option2");

        MenuItem OMenu3=new MenuItem("Option3");
```

```java
Menu Helpmenu = new Menu("Help");

MenuItem Helpmenu1 = new MenuItem("Search");

MenuItem Helpmenu2 = new MenuItem("Contact");

MenuItem Helpmenu3 = new MenuItem("About");

Label l = new Label("no item is selected");

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

   public void handle(ActionEvent e)

   {

      l.setText(((MenuItem)e.getSource()).getText() +

                              " selected");

   }

};

   filemenu1.setOnAction(event);

   filemenu2.setOnAction(event);

   filemenu3.setOnAction(event);

   filemenu4.setOnAction(event);

   OMenu1.setOnAction(event);

   OMenu2.setOnAction(event);

   OMenu3.setOnAction(event);

   Helpmenu1.setOnAction(event);

   Helpmenu2.setOnAction(event);

   Helpmenu3.setOnAction(event);

OMenu.getItems().addAll(OMenu1,OMenu2,OMenu3);

FileMenu.getItems().addAll(filemenu1,filemenu2,filemenu3,filemenu4);

Helpmenu.getItems().addAll(Helpmenu1, Helpmenu2, Helpmenu3);

menubar.getMenus().addAll(FileMenu,OMenu, Helpmenu);

Scene scene = new Scene(bp,400,400);

primaryStage.setScene(scene);

primaryStage.show();
```

```
    bp.setTop(menubar);

    bp.setCenter(l);



    }
}
```

OUTPUT: