15.Write a JavaFX program to implement the menu.

Theory:
JavaFX provides a Menu class to implement menus. Menu is the main component of a any application. In JavaFX, javafx.scene.control.Menu class provides all the methods to deal with menus. This class needs to be instantiated to create a Menu.

The following sample of code shows the implementation of JavaFX menu.

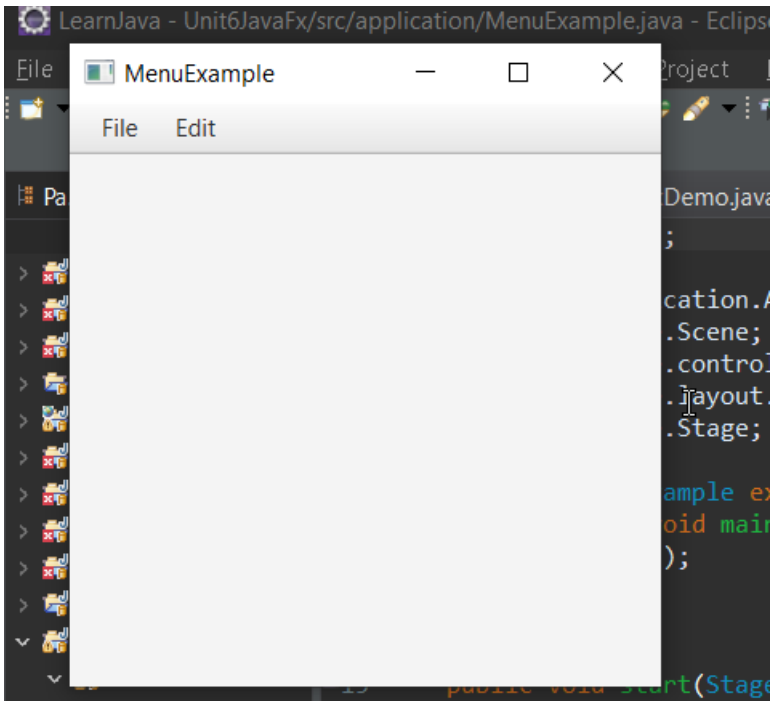
ManuBar menubar = new MenuBar(); //creating MenuBar
Menu MenuName = new Menu("Menu Name"); //creating Menu
MenuItem MenuItem1 = new MenuItem("Menu Item 1 Name"); //creating Menu Item
MenuName.getItems().add(MenuItem1); //adding Menu Item to the Menu
menubar.getMenus().add(MenuName); //adding Menu to the MenuBar

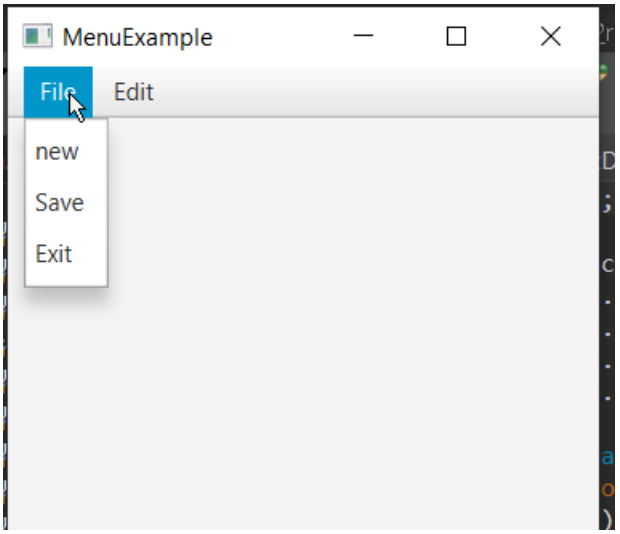
Source Code:

```
package application;

import javafx.application.Application;
import javafx.scene.Scene;
import javafx.scene.control.*;
import javafx.scene.layout.BorderPane;
import javafx.stage.Stage;

public class MenuExample extends Application {
	public static void main(String[] args) {
		launch(args);
	}

	@Override
	public void start(Stage primaryStage) throws Exception {
		BorderPane root = new BorderPane();
		Scene scene = new Scene(root, 200, 300);
		MenuBar menubar = new MenuBar();
		Menu FileMenu = new Menu("File");
		MenuItem filemenu1 = new MenuItem("new");
		MenuItem filemenu2 = new MenuItem("Save");
		MenuItem filemenu3 = new MenuItem("Exit");
		Menu EditMenu = new Menu("Edit");
		MenuItem EditMenu1 = new MenuItem("Cut");
		MenuItem EditMenu2 = new MenuItem("Copy");
		MenuItem EditMenu3 = new MenuItem("Paste");
		EditMenu.getItems().addAll(EditMenu1, EditMenu2, EditMenu3);
		root.setTop(menubar);
		FileMenu.getItems().addAll(filemenu1, filemenu2, filemenu3);
		menubar.getMenus().addAll(FileMenu, EditMenu);
		primaryStage.setScene(scene);
		primaryStage.show();
		primaryStage.setTitle("MenuExample");
```

```
        }
}
```

Output:


LearnJava - Unit6JavaFx/src/application/MenuExample.java - Eclips
File
MenuExample
File
Edit


MenuExample
File
Edit
new
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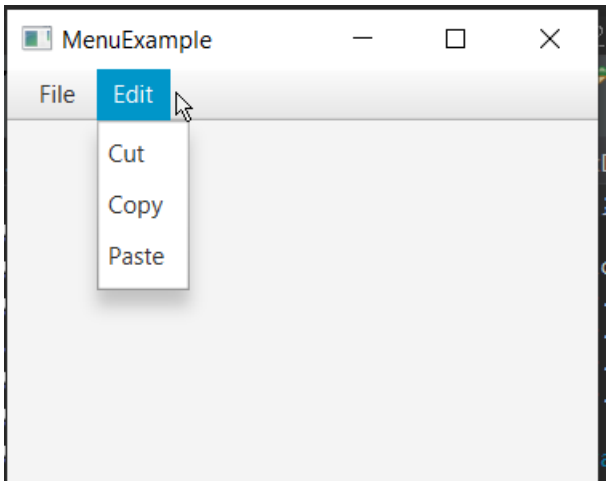
Exit


MenuExample
File
Edit
Cut
Copy
Paste