

```

1  package application;
2  import javafx.application.Application;
3  import javafx.application.Platform;
4  import javafx.scene.Scene;
5  import javafx.scene.control.CheckMenuItem;
6  import javafx.scene.control.Menu;
7  import javafx.scene.control.MenuBar;
8  import javafx.scene.control.MenuItem;
9  import javafx.scene.control.RadioMenuItem;
10 import javafx.scene.control.SeparatorMenuItem;
11 import javafx.scene.control.ToggleGroup;
12 import javafx.scene.layout.BorderPane;
13 import javafx.scene.paint.Color;
14 import javafx.stage.Stage;
15
16 public class Main extends Application {
17
18     @Override
19     public void start(Stage primaryStage) {
20         BorderPane root = new BorderPane();
21         Scene scene = new Scene(root, 300, 250, Color.WHITE);
22
23         MenuBar menuBar = new MenuBar();
24         menuBar.prefWidthProperty().bind(primaryStage.widthProperty());
25         root.setTop(menuBar);
26
27         // File menu - new, save, exit
28         Menu fileMenu = new Menu("File");
29         MenuItem newMenuItem = new MenuItem("New");
30         MenuItem saveMenuItem = new MenuItem("Save");
31         MenuItem exitMenuItem = new MenuItem("Exit");
32         exitMenuItem.setOnAction(actionEvent -> Platform.exit());
33
34         fileMenu.getItems().addAll(newMenuItem, saveMenuItem,
35             new SeparatorMenuItem(), exitMenuItem);
36
37         Menu webMenu = new Menu("Web");
38         CheckMenuItem htmlMenuItem = new CheckMenuItem("HTML");
39         htmlMenuItem.setSelected(true);
40         webMenu.getItems().add(htmlMenuItem);
41
42         CheckMenuItem cssMenuItem = new CheckMenuItem("CSS");
43         cssMenuItem.setSelected(true);
44         webMenu.getItems().add(cssMenuItem);
45
46         Menu sqlMenu = new Menu("SQL");
47         ToggleGroup tGroup = new ToggleGroup();
48         RadioMenuItem mysqlItem = new RadioMenuItem("MySQL");
49         mysqlItem.setToggleGroup(tGroup);
50
51         RadioMenuItem oracleItem = new RadioMenuItem("Oracle");
52         oracleItem.setToggleGroup(tGroup);
53         oracleItem.setSelected(true);
54
55         sqlMenu.getItems().addAll(mysqlItem, oracleItem,
56             new SeparatorMenuItem());
57
58         Menu tutorialManeu = new Menu("Tutorial");
59         tutorialManeu.getItems().addAll(
60             new CheckMenuItem("Java"),
61             new CheckMenuItem("JavaFX"),
62             new CheckMenuItem("Swing"));
63
64         sqlMenu.getItems().add(tutorialManeu);
65
66         menuBar.getMenus().addAll(fileMenu, webMenu, sqlMenu);
67
68         primaryStage.setScene(scene);
69         primaryStage.show();
70     }
71     public static void main(String[] args) {
72         launch(args);
73     }

```

