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💿 Main.java 🗴 🌘 Controller.java 🗴 🕲 StudentRecord.java 🗴 🕲 DataSource.java 🗴 🏭 sample.fxml
        package sample;
        import javafx.application.Application;
        import javafx.fxml.FXMLLoader;
        import javafx.scene.Parent;
        import javafx.scene.Scene;
        import javafx.stage.Stage;
        public class Main extends Application {
            @Override
12 0 @
            public void start(Stage primaryStage) throws Exception{
                Parent root = FXMLLoader.load(getClass().getResource( name: "sample.fxml"));
                primaryStage.setTitle("Lab 05 Solutions");
                primaryStage.setScene(new Scene(root, width: 525, height: 525));
                primaryStage.show();
            public static void main(String[] args) { launch(args); }
            C Controller.java X C StudentRecord.java X C DataSource.java X
                                                                        sample.fxml
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```
package sample;
      import javafx.fxml.FXML;
      import javafx.scene.control.TableColumn;
       import javafx.scene.control.TableView;
       import javafx.scene.control.cell.PropertyValueFactory;
      public class Controller {
          @FXML
10 🚜
          private TableView tableView;
          @FXML
12 🚜
          private TableColumn SIDColumn;
          @FXML
14 🚜
          private TableColumn assignmentsColumn;
          @FXML
16 🚜
          private TableColumn midtermColumn;
          @FXML
18 🗂
          private TableColumn finalExamColumn;
          @FXML
20 🚜
          private TableColumn finalMarkColumn;
          @FXML
22 🚚
          private TableColumn letterGradeColumn;
          private TableView<StudentRecord> student;
```

```
@FXML
public void initialize() {

SIDColumn.setCellValueFactory(new PropertyValueFactory<>("SID"));
    assignmentsColumn.setCellValueFactory(new PropertyValueFactory<>("assignments"));
    midtermColumn.setCellValueFactory(new PropertyValueFactory<>("Midterm"));
    finalExamColumn.setCellValueFactory(new PropertyValueFactory<>("FinalExam"));
    finalMarkColumn.setCellValueFactory(new PropertyValueFactory<>("FinalMark"));
    letterGradeColumn.setCellValueFactory(new PropertyValueFactory<>("LetterGrade"));
    tableView.setItems(DataSource.getAllMarks());

}
```

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Lab 05 Solutions

SID	Assignments	Midterm	Final Exam	Final Mark	Letter Grade
100100100	68.0	75.0	54.25	63.225	С
100100101	69.25	70.0	51.5	60.6	С
100100102	97.0	100.0	92.5	95.65	Α
100100103	88.5	90.0	68.75	79.075005	В
100100104	74.75	72.25	58.25	65.75	С
100100105	56.0	85.0	62.5	67.95	С
100100106	66.5	70.0	61.75	65.175	С
100100107	47.0	55.0	50.5	51.15	D
100100108	40.0	32.5	27.75	31.625	F
100100109	77.0	82.5	74.25	77.275	В