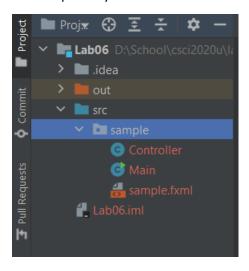
Lab06

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Local Repository



Github Repository



https://github.com/shayne-lewis/csci2020u_shaynelewis/tree/master/lab06

Main.java

```
package sample;

import javafx.application.Application;
import javafx.fxml.FXMLLoader;
import javafx.scene.Parent;
import javafx.scene.Scene;
import javafx.scene.text.Text;
import javafx.stage.Stage;

import static java.awt.Font.*;

public class Main extends Application {

@Override
public void start(Stage primaryStage) throws Exception{
    Parent root = FXMLLoader.load(getClass().getResource( name: "sample.fxml"));
    primaryStage.setTitle("Lab06");
    primaryStage.setScene(new Scene(root, v. 1000, v1: 600));
    primaryStage.show();
}

public static void main(String[] args) { launch(args); }
}
```

Sample.fxml

Controller.java

```
ackage sample
  @FXML private Canvas mainCanvas;
@FXML private GraphicsContext gc;
  private static double[] avgHousingPricesByYear = { 247381.0,264171.4,287715.3,294736.1,308431.4,322635.9,340253.0,363153.7};
   private static double[] av
                                   ygCommercialPricesByYear = { 1121585.3,1219479.5,1246354.2,1295364.8, 1335932.6,1472362.0,1583521.9,1613246.3};
geGroups = { "18-25", "26-35", "36-45", "46-55", "56-65", "65+"};
hasesByAgeGroup = { 648, 1021, 2453, 3173, 1868, 2247};
  private static String[] ac
   private static int[] pur
  private static Color[] pieColours = { Color.AQUA, Color.GOLD, Color.DARKORANGE, Color.DARKSALHON, Color.LAWNGREEN, Color.PLUM};
  @FXML public void initialize(){
    gc = mainCanvas.getGraphicsContext2D();
       drawGraph( w 120, 1 300, avgHousingPricesByYear, avgCommercialPricesByYear, Color.RED, Color.BLUE, startX 150); drawPie( x 300, y 300, purchasesByAgeGroup, pieColours);
    public void drawGraph(int w, int h, double[] data, double[] data2, Color color, Color color2, int startX){
                if(val > maxVal) maxVal = val;
                if(val < minVal) minVal = val;</pre>
     public void drawPie(int x, int y, int[] numbers, Color[] colors){
```

