**Java-WPILib: Entrance Test**

**Purpose**

This exam is meant to test your skills in Java and make sure you know all the material required to get started with learning the WPILib to program an FRC Robot. There are an infinite number of solutions to this problem but only those deemed acceptable will pass.

**Task**

You are in charge of creating a program to represent a school district. The requirements that need to be met are listed below:

* Display a list of all the teachers from High School
  + Alphabetical order
* Display a list of all the students from a Middle School
  + Alphabetical order by date
* Display a list of all the departments of the High School
  + Alphabetical order
* Display a list of all the courses of the Math Department
  + Alphabetical order
* Display a list of all the classes Josh Moshe is currently taking and their grade
  + Alphabetical order
* Display a list of all the courses Heather Wilson has taken, the grade received, the year, and the date
  + Alphabetical order by year
* Display a list of all the classes Heather Wilson has taken, the grade received, the year, and the date
  + Alphabetical order by year
* Display a list of all the classes Heather Wilson has taken in Elementary School
  + Alphabetical order by year
* Display a list of the classes currently taught by Goldman
  + Alphabetical order
* Display the average Grade of the students in 4th Grade in 2008 Done
* Display the highest ever Grade in Precalc
* Display the average Grade in Precalc in 2019
* Display the average Grade in Precalc with Goldman

**Assignment**

The link to the assignment on GitHub Classroom includes this worksheet and a Excel file with all the data. The link to the assignment is below:

Entrance Test Assignment Link: <https://classroom.github.com/a/GgILpR-T>