Report on first assignment

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Introduction:

This assignment is supposed to report the current weather of a city that the user inputs, my code prints the temperature (in Celsius), humidity, wind speed (in mph) and wind direction.

We get the data by using the API code that the mentioned website generates.

Design and implementation:

First we get our only input which is the city's name as an string.

The most important method is the getWeatherData() which gets the city name as an argument and returns a string that contains current status of the given city (this method also needs API code as a valuable to function).

We then pass the string to several methods that gives us the information about the city. In these methods we first initialize a JSONObject by using the string and then we use JSON commands to find the wanted information.

This project used GRADLE by default.

Testing and evaluation:

The main obstacle in this project was connecting to internet, we found out that some operators doesn't properly work and the program froze, so we needed to switch to other operators to get the program work properly.

We used "Tehran" as our test case and the program correctly reported the wanted information.

Conclusion:

In my opinion the most important achievement of this assignment was getting to know JSON, APIs and GIT. I searched my way through them and succeeded to get a basic knowledge of how to work with them.