

Introduction:

This is a program to receive the name of a city from the user, and then the weather condition of that city is taken through the servers and displayed to the user in the output. It was done through Weather API and Jason Object.

Design and Implementation:

1. We get the city name from the user.
2. Then we send the request to receive the API to the server and by this means we get the desired data. JSON helps us to get the data we want.
3. The URL is created according to the specific API that we got from the site.
4. http is for connecting to the server and this is done by get.
5. The data enters the buffer and finally we have a one-line string.
6. Returning null at the end of the function is for when a problem occurs and the function returns it to us.
7. Through two defined functions, we display the temperature and humidity of the city that the user entered as input in the output.

Testing and Evaluation:

For testing, we give a number of cities as input to the program.

The result is that if the user's input is known to the program, i.e. no error occurs or the connection to the server is not interrupted, the weather condition of that city will be displayed to the user.

Conclusion:

With the help of this program, the weather of a geographical location can be accessed through servers. Also, with the help of libraries, in addition to temperature, more weather features can be accessed.