**Wolfram Alpha API**

***Project Design***

***Early Submission Current Progress:***

After reading the article, I understood what Conversational and Full Results API are. The article introduces these two concepts using the Wolfram APIs. The Full Results API takes any query as input and returns the result as output, and we have access to all capabilities and output formats. What does this mean? The Full Results API can answer some curious questions as well as math, chemistry, and much more. The output typically includes multiple categories of data. This can be, for example, a graph, an image, a step-by-step solution or a table. All this data at full is given to us, so that’s why is called full results. In my opinion, this is a great API to be learned since it allows us to get access to any kind solution for any topic either math, science, biology, and any question. With this powerful API in our hands, we can create cool programs or websites that are solving problem to any kind of questions. I will further investigate about Full Results API in this incoming week.

On the other hand, Wolfram Alpha also provides Conversational API, which allows us to ask follow up questions and therefore have conversation with the API. This is pretty cool because we can build chat bots by using this Conversational API. How is it work? We send a query to the API to get an output. This first query will return a result with all type of information, but the information we want to focus is the **conversationID**, which is the ID to keep track of the conversation, and the **host**, which is the same “server” to whom was asked. These two will serve to make the follow up second query.

Note: If we would have another **host,** that **host** wouldn’t know what our first question was. So, keep track of **conversationID** and **host** in each query are very important to do follow up questions.

The second query then returns same type of result as the first one, which allows us keep on asking more questions using provided **conversationID** and **host**.

Overall, with all this knowledge, I will enhance the program by using two different ways of using Conversational API and Full Request API

***Assumptions***

* The key API works
* Not run out of requests to pull data when using the APIs