Introduction:

Welcome to our program!

We have designed a chat bot usng ML to answer all the questions related to the COVID 19 disease.

It basically inputs your query and then performs a few operations to search for the relevant answer and then prints the answer.

Proposed Method:

We planned to import a few modules such that we can search for the query, get the webpages and then print the rsult from it by taking the first sentence.

And then, the user is asked if they are satisfied with the answer and also if they have any other queries.

Work Done:

We are first importing the required modules like requests, string, html, tensorflow, nltk, json, numpy and pandas, and also functions like search from googlesearch module and BeautifulSoup function from bs4 module.

We then define a function chatbot(query) to input query and give the answers. We then use try and except of Python to work with the function.

We search an answer to the query using the search function.

We then request for the pages we get for the search and use fromstring() function of html to get the content in the page.

Then the BeautifulSoup function saves the content or the first few sentences we got in the search under the variable soup.

Then, the first sentence is taken in that variable and is displayed as the result.

If there were no results, it says 'Sorry, I can't think of a reply for it'.

Now we write code to welcome the user, input the query and call the function chatbot(query) to display the answer. Then the user is asked if they are satisfied.

If not, they are asked to rephrase the query and can input any more queries if needed.

If there are more than 10 queries, it says please visit a doctor.

Conclusion:

We did this code using ML and we learnt about many modules in this. This is our first hackathon and we are hoping to explore more in the upcoming ones.