**Questions and Answers:**

1. **What kind of visualizations are required for this project and what's the plan to implement it?**

Since the representations of data are in dates and number of cases. So, the best visualization for this project is line graphs. In some situations, I have implemented bar graphs too. Using the matplotlib library, I have implemented all the data visualizations.

1. **What's the reason for using Bayesian Ridge Regression Prediction?**

Because Bayesian regression allows a natural mechanism to survive insufficient data or poorly distributed data by formulating linear regression using probability distributors rather than point estimates. The output or response ‘y’ is assumed to be drawn from a probability distribution rather than estimated as a single value.

1. **What’s the reason for using Polynomial Regression?**

Because the goal of polynomial regression is to model a non-linear relationship between the independent and dependent variables. This is similar to the goal of nonparametric regression, which aims to capture non-linear regression relationships.

1. **How to integrate it with other applications like the web, android, iOS, and other platforms?**

To integrate with other platforms, we can deploy this project somewhere in the remote server and make the input and output as a JSON format. If we do that in this way, we can connect to any platform because JSON is supported by most of the platforms.

1. **Is there any particular reason for using seaborn for visualization?**

No particular reason except the look and feel. But, I have used only matplotlib for the project because, after the analysis, I came to know that there is no use of seaborn for this project.

1. **Is there any other models suit for this prediction?**

After lots of research, we have found that only Bayesian ridge regression, polynomial regression will suit these predictions. But we can test some other models also.

1. **What is SVM?**

Support vector machines are supervised learning models with associated learning algorithms that analyze data for classification and regression analysis.

1. **Do you have any plan to include future mutations of the COVID virus to predict the model?**

In this project, we haven’t included any future mutations of the virus. But, we have a plan to implement the mutations in future studies.

1. **How accurate is the model?**

At this point, we can predict the accuracy. But from other sources like apple mobility prediction, the accuracy is almost 95%.

1. **What are the assumptions made for this project?**

There is no assumption made on the data. But we haven’t considered any mutation for the prediction.