**Problem statement**

**Front end**

Develop a minimalistic dashboard in front-end offering the below features -

* Drop down to select a state.
* A bar chart depicting the production in tonnes per year.
* A bar chart depicting the production in tonnes per crop.
* A sortable table with following fields
* Year
* Crop
* District
* Area
* Production
* Yield

Selecting a portion of chart should filter the data in table automatically.

**Backend**

Develop a backend to serve the REST APIs to fetch the data from a given dataset (Please find attached a csv file).

**Data set**: India Agriculture Crop Production data. For coconut crop consider average weight of 1 coconut as 1.4kg.

**Tips:**

1. Feel free to use any IDE you are comfortable to code both front end and back-end modules.
2. Use any in memory DB to load and process data if it helps building requested features.
3. Feel free to use any open-source library for layout and charting.

**Grading**

1. Scalable design and decisions.

2. Secure API

3. Working application

- We will run the application in local to check the solution.

**Expectations**

1. Working code for all features.
2. High quality code.
3. IDE loaded with code submitted, be prepared to share the screen, and modify the code if there is a need during interview.
4. Submit the code as per the timelines shared by recruitment team.