NAME: - DIVYANSHU T. NIKHADE

DIVISION: - ET1

BATCH: E11

**ROLL NO.: - ET1-03** 

PRN: - 202401070026

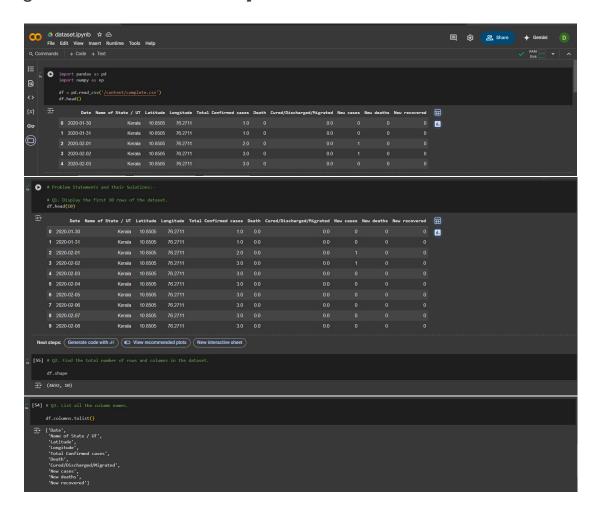
## A real-life dataset :- COVID 19 Dataset

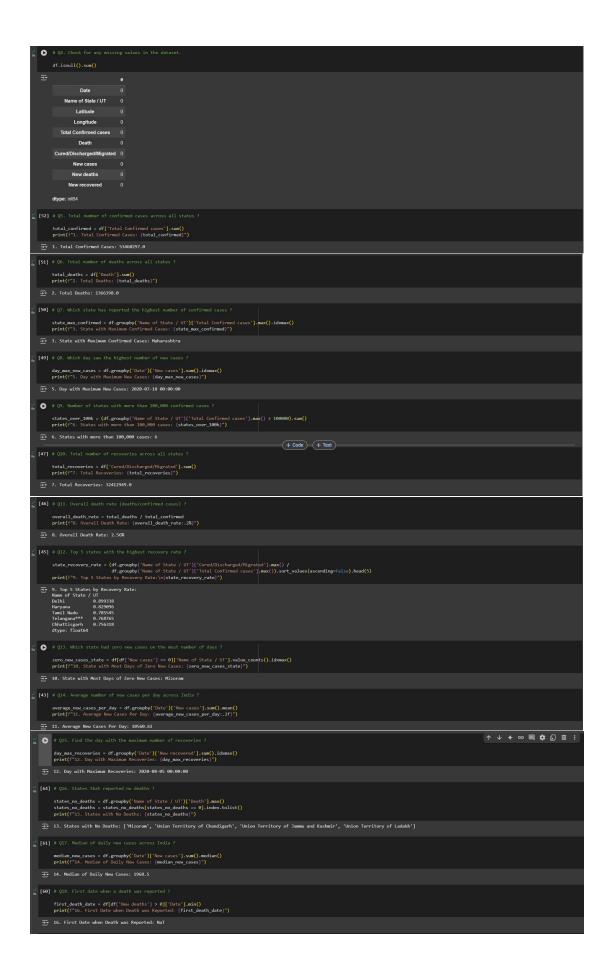
==> Below are the problem statements for the given dataset.

- 1) Display the first 10 rows of the dataset.
- Find the total number of rows and columns in the dataset.
- 3) List all the column names.
- 4) Check for any missing values in the dataset.
- 5) Total number of confirmed cases across all states?
- 6) Total number of deaths across all states?
- 7) Which state has reported the highest number of confirmed cases?
- 8) Which day saw the highest number of new cases?
- 9) Number of states with more than 100,000 confirmed cases?
- 10) Total number of recoveries across all states?
- 11) Overall death rate (deaths/confirmed cases)?
- 12) Top 5 states with the highest recovery rate?
- 13) Which state had zero new cases on the most number of days?
- 14) Average number of new cases per day across India?
- 15) Find the day with the maximum number of recoveries?
- 16) States that reported no deaths?
- 17) Median of daily new cases across India?
- 18) First date when a death was reported?

- 19) Total number of days recorded for each state?
- State with the highest number of new deaths in a single day?

==> Below are the snapshots of the 20 problem statements on the given dataset with their respective solution.





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3. In long tamend per State:

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