**SQL Project on Covid 19 in India State wise**

**Context**

This dataset provides a data of COVID-19 reported cases including cured and death information of states of India.

**Content**

The data is in CSV format and has 5 columns.

**Date:** Date in DD-MM-YYYY format

**State:** Name if the state

**Confirm:** Total number of confirmed cases as on Date

**Cured:** Total number of cured, discharged or migrated cases as on Date

**Death:** Total number of deaths as on Date

All figures are cumulative.

**Acknowledgements**

This dataset is created and maintained using the data available in public domain.

**Q.1** As real time data is downloaded, any missing values in any of the columns should be replaced with 0.

**Q.2 Solve the following queries**

1. Government wants to focus on COVID 19 confirmed cases of top 5 states.
2. The Health Ministry wants to categorize according to confirm cases in each state.

if confirm cases greater than 300 display as “**High Risk**”

if confirm cases less than or equal to 50 display as “**Low Risk**”

else display “**No Risk**”.

1. The ICMR wants to estimate the confirmed cases for next day state wise.

Hint:( Using window functions )

1. Create a view named “**South\_India\_Statistics**” with details of all southern states.
2. Design a master details relationship between **world**(master) and **covid19** as details table.

**Table name** **:** world

**Attributes/Columns:** country\_id int

country\_name varchar(20)

continent varchar(20)

**Constraints :** country\_id ( primary key )

**Insert the following data** :

insert into world values (1,'India', 'Asia'),(2,'Spain','Europe'),(3,'Italy','Europe');

1. Covid19 table has a column of country missing.

(Add a column country\_id in covid19 and update country\_id to 1

1. Add a foreign key from world (country\_id) to covid19( country\_id )

1. Estimate all confirmed cases, cured and how many lives lost in Asian country of India with States in Karnataka and Kerala.
2. A hacker is trying to hack and modify the contents in COVID19 table. Using SQL address the issue.