

README

Name - Shashank Shekhar

UTA ID - 1001767592

CSE-5330-002

Answer 4 → Part 1

```
CREATE VIEW COVID_BY_STATE AS
SELECT Date, State_Name, Sum(Daily_Count_Cases) as ConfirmedCases,
Sum(Daily_Deaths) as DailyDeath
FROM Covid_By_Countty
GROUP BY Date, State_Name;
```

	Date	State_Name	ConfirmedCases	DailyDeath
►	3-22-20	Louisiana	837	20
	3-22-20	Oklahoma	67	2
	3-22-20	Texas	643	7
	3-22-20	Arkansas	165	0
	3-22-20	New Mexico	57	0
	3-23-20	Louisiana	335	15
	3-23-20	Oklahoma	14	0
	3-23-20	Texas	115	2
	3-23-20	Arkansas	27	0
	3-23-20	New Mexico	26	0
	3-24-20	Louisiana	216	11
	3-24-20	Oklahoma	25	1
	3-24-20	Texas	197	3
	3-24-20	Arkansas	27	2
	3-24-20	New Mexico	17	0
	3-25-20	Louisiana	407	19
	3-25-20	Oklahoma	58	2
	3-25-20	Texas	274	3
	3-25-20	Arkansas	61	0
	3-25-20	New Mexico	13	1

Answer 4 → Part 2 → Query 1

```
SELECT State_Name, Date, ConfirmedCases as Max_ConfirmedCases FROM  
covid_by_state WHERE ConfirmedCases = (SELECT max(ConfirmedCases)  
AS Max_ConfirmedCases FROM covid_by_state WHERE State_Name='Texas');
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
State_Name	Date	Max_ConfirmedCases	
Texas	7-17-20	16017	

Answer 4 → Part 2 → Query 2

```
SELECT State_Name, Date, ConfirmedCases as Max_ConfirmedCases FROM  
covid_by_state WHERE ConfirmedCases = (SELECT max(ConfirmedCases)  
AS Max_ConfirmedCases FROM covid_by_state WHERE State_Name='Louisiana');
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
State_Name	Date	Max_ConfirmedCases	
Louisiana	7-27-20	3840	

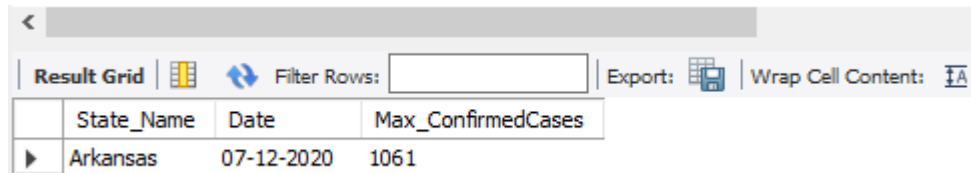
Answer 4 → Part 2 → Query 3

```
SELECT State_Name, Date, ConfirmedCases as Max_ConfirmedCases FROM  
covid_by_state WHERE ConfirmedCases = (SELECT max(ConfirmedCases)  
AS Max_ConfirmedCases FROM covid_by_state WHERE State_Name='Oklahoma');
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
State_Name	Date	Max_ConfirmedCases	
Oklahoma	7-28-20	1400	

Answer 4 → Part 2 → Query 4

```
SELECT State_Name, Date, ConfirmedCases as Max_ConfirmedCases FROM
covid_by_state WHERE ConfirmedCases = (SELECT max(ConfirmedCases)
AS Max_ConfirmedCases FROM covid_by_state WHERE State_Name='Arkansas');
```

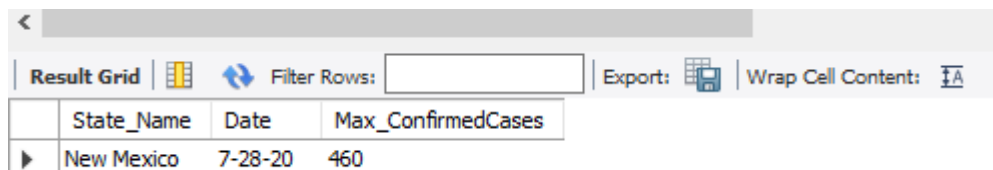


The screenshot shows a database interface with a 'Result Grid' tab. The grid contains one row of data for Arkansas. The columns are State_Name, Date, and Max_ConfirmedCases. The interface also includes a 'Filter Rows' search bar and 'Export' and 'Wrap Cell Content' buttons.

	State_Name	Date	Max_ConfirmedCases
▶	Arkansas	07-12-2020	1061

Answer 4 → Part 2 → Query 5

```
SELECT State_Name, Date, ConfirmedCases as Max_ConfirmedCases FROM
covid_by_state WHERE ConfirmedCases = (SELECT max(ConfirmedCases)
AS Max_ConfirmedCases FROM covid_by_state WHERE State_Name='New Mexico');
```

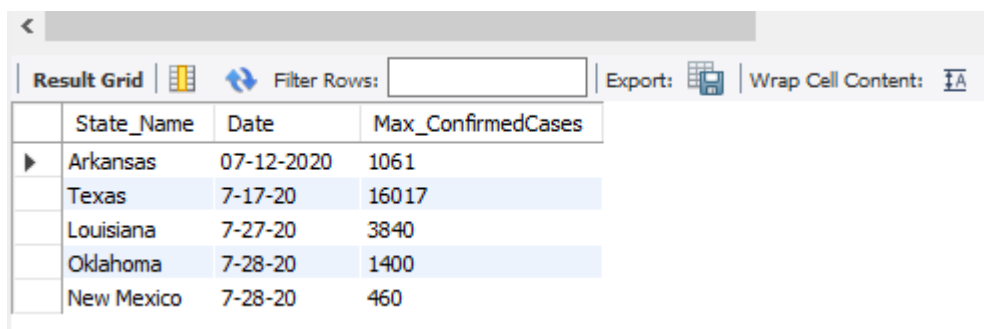


The screenshot shows a database interface with a 'Result Grid' tab. The grid contains one row of data for New Mexico. The columns are State_Name, Date, and Max_ConfirmedCases. The interface also includes a 'Filter Rows' search bar and 'Export' and 'Wrap Cell Content' buttons.

	State_Name	Date	Max_ConfirmedCases
▶	New Mexico	7-28-20	460

Answer 4 → Part 3

```
SELECT cbs.State_Name, cbs.Date, cbs.ConfirmedCases as Max_ConfirmedCases
FROM covid_by_state cbs
WHERE cbs.ConfirmedCases = (SELECT max(cbs2.ConfirmedCases)
FROM covid_by_state cbs2
WHERE cbs2.State_Name = cbs.State_Name
);
```







The screenshot shows a database interface with a 'Result Grid' tab. The grid contains five rows of data for different states. The columns are State_Name, Date, and Max_ConfirmedCases. The interface also includes a 'Filter Rows' search bar and 'Export' and 'Wrap Cell Content' buttons.

	State_Name	Date	Max_ConfirmedCases
▶	Arkansas	07-12-2020	1061
	Texas	7-17-20	16017
	Louisiana	7-27-20	3840
	Oklahoma	7-28-20	1400
	New Mexico	7-28-20	460

Answer 4

```
SELECT State_Name, Sum(ConfirmedCases), Sum(DailyDeath)
FROM COVID_BY_STATE
GROUP BY State_Name;
```

Result Grid   Filter Rows: <input type="text"/>				Export: 	Wrap Cell Content: 
	State_Name	Sum(ConfirmedCases)	Sum(DailyDeath)		
▶	Louisiana	116280	3949		
	Oklahoma	37731	549		
	Texas	444738	6865		
	Arkansas	43173	458		
	New Mexico	20796	651		