README

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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_County
GROUP BY Date, State_Name;
```

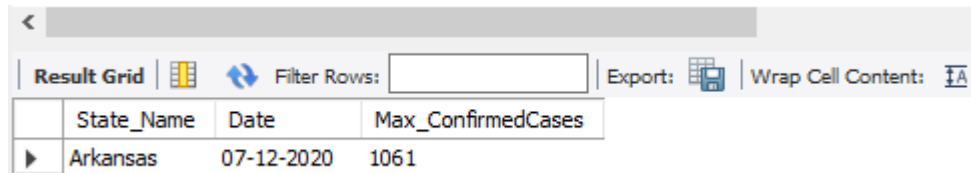| Date	State_Name	ConfirmedCases	DailyDeath
3-22-20	Louisiana	837	20
3-22-20	Oklahoma	67	2
3-22-20	Texas	643	7
3-22-20	Arkansas	165	0
3-22-20	New Mexico	57	0
3-23-20	Louisiana	335	15
3-23-20	Oklahoma	14	0
3-23-20	Texas	115	2
3-23-20	Arkansas	27	0
3-23-20	New Mexico	26	0
3-24-20	Louisiana	216	11
3-24-20	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');
```

	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');
```
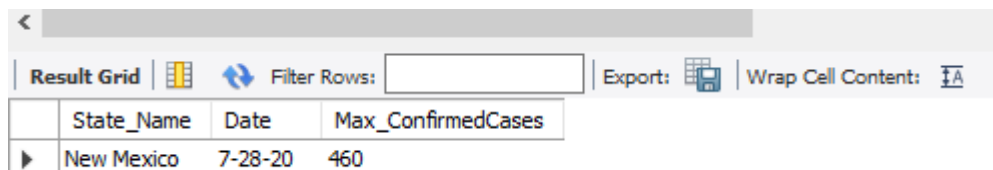
	State_Name	Date	Max_ConfirmedCases
▶	Louisiana	7-27-20	3840

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');
```

	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');
```

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');
```
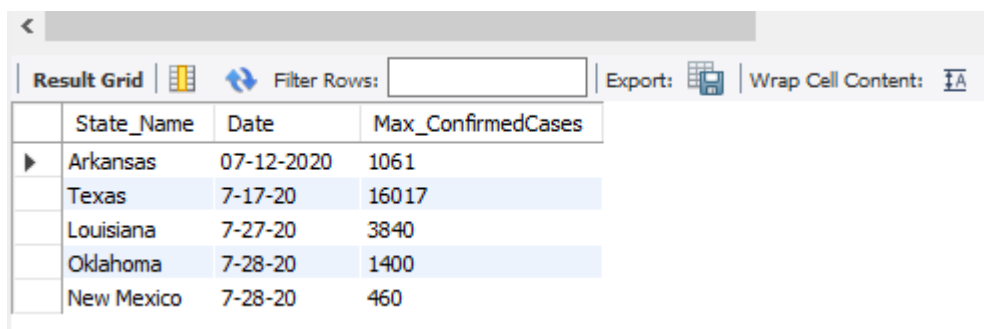
State_Name	Date	Max_ConfirmedCases
New Mexico	7-28-20	460

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
                           );
```

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

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

State_Name	Sum(ConfirmedCases)	Sum(DailyDeath)
Louisiana	116280	3949
Oklahoma	37731	549
Texas	444738	6865
Arkansas	43173	458
New Mexico	20796	651