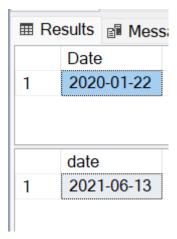
```
select count(GETANSINULL(Latitude)) as "total null" from [covide 19 data] select count(GETANSINULL(Longitude)) as "total null" from [covide 19 data] -- If NULL values are present, update them with zeros for all columns. update [covide 19 data] set Latitude = 0 where Latitude is null update [covide 19 data] set Longitude = 0 where Longitude is null check total number of rows select count(*) from [covide 19 data]
```

-- Check what is start_date and end_date

SELECT top 1 Date,DATEDIFF_BIG(day,date,GETDATE()) as "start day" from [covide 19
data]

SELECT top 1 date, DATEDIFF_BIG(day, date, GETDATE()) as "last day" from [covide 19 data] order by Date desc



78386

-- Find monthly average for confirmed, deaths, recovered

select sum(Deaths)/12 AS 'MONTHLY AVERAGE DEATHS',sum(Confirmed)/12 AS 'MONTHLY
AVERAGE CONFIRMED',sum(Recovered)/12 AS 'MONTHLY AVERAGE REOCVERED' from [covide 19 data]



-- Find minimum values for confirmed, deaths, recovered per year

SELECT YEAR(DATE) AS 'YEAR', MIN(Deaths) AS 'MINIMUM DETH VALUE IN YEAR', MIN(Confirmed) AS 'MINIMUM CONFRIRMED VALUE IN YEAR ' FROM [covide 19 data] GROUP BY YEAR(DATE)

	YEAR	MINIMUM DETH VALUE IN YEAR	MINIMUM CONFRIRMED VALUE IN YEAR
1	2021	0	0
2	2020	0	0

-- Find maximum values of confirmed, deaths, recovered per year

SELECT YEAR(DATE) AS 'YEAR', MAX(Deaths) AS 'MAXIMUM DETH VALUE IN YEAR', MAX(Confirmed) AS 'MAXIMUM CONFRIRMED VALUE IN YEAR ' FROM [covide 19 data] GROUP BY YEAR(DATE)

	Result	ts 💼	Messages		
	YE	EAR	MAXIMUM DETH VALUE IN	YEAR MAXIMUM CONFRIRMED VALUE IN YEA	R
1			7374	414188	
2	Click	to se	lect all grid cells	823225	

-- The total number of case of confirmed, deaths, recovered each month

SELECT DISTINCT MONTH(DATE) AS 'MONYH', SUM(Deaths) AS 'DEATH', SUM(Confirmed) AS 'CONFIRMED', SUM(Recovered) AS 'RECOVERED' FROM [covide 19 data] GROUP BY MONTH(DATE)
ORDER BY MONTH(DATE)

■ Results				
	MONYH	DEATH	CONFIRMED	RECOVERED
1	1	402083	18678589	9164490
2	2	300890	10560976	6751190
3	3	323966	14694026	8021083
4	4	554220	24047819	14998494
5	5	511110	21865416	20651389
6	6	270414	8991916	8079855
7	7	167613	6838092	4693120
8	8	179200	7694938	6202833
9	9	160671	8244794	6647749
10	10	175484	11515841	6782150
11	11	262247	16595938	9172292
12	12	339996	19336799	11924903

```
-- Check how corona virus spread out with respect to confirmed case
-- (Eg.: total confirmed cases, their average, variance & STDEV )

SELECT

COUNT(confirmed) AS total_confirmed_cases,
 AVG(confirmed) AS average_confirmed_cases,
 VAR(confirmed) AS variance_confirmed_cases,
 STDEV(confirmed) AS stdev_confirmed_cases

FROM

[covide 19 data]
```

```
total_confirmed_cases average_confirmed_cases variance_confirmed_cases stdev_confirmed_cases 1 78386 2156 157290931.698175 12541.5681514783
```

	month	total_deaths_cases	average_deaths_cases	variance_deaths_cases	stdev_deaths_cases
1	1	402083	63	79012.0445469252	281.090811921922
2	2	300890	34	34852.61830584	186.688559654415
3	3	323966	33	29785.0524295189	172.583465110418
4	4	554220	59	67905.9247205874	260.587652663336
5	5	511110	53	76775.7794144718	277.084426510174
6	6	270414	40	46250.1874702783	215.058567535168
7	7	167613	35	21144.5840570796	145.41177413497
8	8	179200	37	23277.8724251087	152.570876726552
9	9	160671	34	20107.1214145132	141.799581855918
10	10	175484	36	17583.7542527085	132.60374901453
11	11	262247	56	27779.8065421012	166.672752848512
12	12	339996	71	65359.059829717	255.654180153028

≣ Re	esults	Messages			
	total	_recovered_cases	average_recovered_cases	variance_recovered_cases	stdev_recovered_cases
1	7838	36	1442	107030888.69603	10345.5733865277

-- Find Country having highest number of the Confirmed case

```
select distinct TOP 1 Province ,sum(Confirmed) AS 'highest Confirmed case Country'
from [covide 19 data]
GROUP BY Province
ORDER BY Sum(Confirmed) DESC
```

-- Find Country having lowest number of the death case

```
select distinct TOP 1 Province ,sum(DEATHS) AS 'lowest deaths case Country' from
[covide 19 data]
GROUP BY Province
ORDER BY Sum(DEATHS)
```

	CITO EE P	Messages
	Province	lowest deaths case Country
1	Tibet	0

-- Find top 5 countries having highest recovered case

select distinct TOP 5 Province ,sum(recovered) AS 'highest recovered case Country'
from [covide 19 data]
GROUP BY Province
ORDER BY Sum(recovered) DESC

⊞ Re	esults 📠 N	lessages
	Province	highest recovered case Country
1	India	28089649
2	Brazil	15400169
3	US	6303715
4	Turkey	5202251
5	Russia	4745756