

1.Find the maximum temperature recorded?

select max(temp_c) from weather;

output:-

https://drive.google.com/file/d/1b5sBMxmLe-fJIUF1Mu_XIBb_yaGGHC4/view?usp=sharing

2.Get distinct weather conditions?

Select distinct weather from weather;

Output:-

<https://drive.google.com/file/d/1b0DgabtG8VDqa4eBBQG14nolAQ0GRi4q/view?usp=sharing>

3.Write a query to find foggy hours?

select count(*) from weather where weather like '%fog%';

output:-

<https://drive.google.com/file/d/1lOsNTYtXZAPDGg0SsnHedb-gJSLU435H/view?usp=sharing>

4.Write a query to find avg temperature by weather conditions?

select weather,avg(temp_c) as temp from weather group by weather;

output:-

<https://drive.google.com/file/d/19rvv92Z2X9pQsk27NtNp4YKNpxqDbdD5/view?usp=sharing>

5.Write a query to find number of hours with visibility below 1km?

select count(*) from weather where Visibility_km<1;

output:-

<https://drive.google.com/file/d/1iq5YzNEvyHHRBqOi1jfYCxyWu0jQISk/view?usp=sharing>

6.Find the coldest hour(lowest temperature)?

```
select 'Date/Time',temp_c from weather order by temp_c asc limit 1;
```

output:-

<https://drive.google.com/file/d/1NtteaaUSSCwH1NEoRuXe4p6AD9anmnsD/view?usp=sharing>

7.Find the avg pressure when temperature is below 0 c?

```
select avg(press_kpa) from weather where Temp_c<0;
```

output:-

https://drive.google.com/file/d/1XMJ3iJerhBeqZ1KpdfjN81IF_bgZNLTL/view?usp=sharing

8.Count of weather conditions “Rain”?

```
select count(*) from weather where weather like "%Rain%";
```

output:-

https://drive.google.com/file/d/1Nj2_XoS7MVfTtN-ZRjmAY2XazYU_1l5v/view?usp=sharing

9.Find top5 most frequent weather conditions?

```
select weather,count(*) as frequency from weather group by weather order by frequency desc limit 5;
```

output:-

https://drive.google.com/file/d/1PhBT_JXfCzmlPbgt1oubyABk1tJDBuA/view?usp=sharing

10.Find average visibility during foggy weather?

```
select avg(visibility_km) from weather where weather like '%fog%';
```

output:-

https://drive.google.com/file/d/17AA8Mq0woymMcBQ7zj_1ubXPlgsIkg9r/view?usp=sharing

11.Find the maximum dew point recorded when it occurred?

```
select 'Date/Time','Dew Point Temp_C' from weather order by 'Dew Point  
Temp_C ' desc limit 1;
```

output:-

https://drive.google.com/file/d/1E0feHNirpBESxL2my8DFd7-QO_pD6EOb/view?usp=sharing

12.Find the average wind speed for each weather condition?

```
select weather,avg('Wind Speed_km/h') as avg_windspeed from weather group  
by weather;
```

output:-

https://drive.google.com/file/d/18FkOgl0hGj2jarRcNAZCVy_cX72hMysz/view?usp=sharing