

**1.Find the maximum temperature recorded?**

select max(temp\_c) from weather;

output:-

[https://drive.google.com/file/d/1lb5sBMxmLe-fJIUF1Mu\\_XIBb\\_yaGGHC4/view?usp=sharing](https://drive.google.com/file/d/1lb5sBMxmLe-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/1IOsNTYtXZAPDGg0SsnHedb-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/1iq5YzNEvyHHRBqOi1jfYCxjyWu0jQISk/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](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\\_1I5v/view?usp=sharing](https://drive.google.com/file/d/1Nj2_XoS7MVfTtN-ZRjmAY2XazYU_1I5v/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](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](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](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](https://drive.google.com/file/d/18FkOgl0hGj2jarRcNAZCVy_cX72hMysz/view?usp=sharing)