

## LAB-2-INDIA WEATHER ANALYTICS

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1. What is the lowest, highest and average temperature of your dataset (from year 1995 to February 2020)?

```
select max(temperature),min(temperature),avg(temperature) from india;
```

2. What is the average temperature in May 2019 in Chennai?

```
select avg(temperature) from india where month=5 and year=2019 and city='chennai';
```

3. Which is the hottest day in 2019 in Delhi?

```
select 'hottest day',day,month from india where temperature=(select  
max(temperature) from india where year=2019 and city='delhi');
```

4. Which is the coldest day in 2018 in Chennai?

```
select 'coldest day',day,month from india where temperature=(select  
min(temperature) from india where year=2018 and city='chennai');
```

5. Which is the coldest year in December?. Print city and temperature.

```
select city,temperature,year from india where temperature=(select  
min(temperature) from india where month=12);
```

6. Which is the hottest city in India in 2017?

```
select 'hottest city',city from india where temperature=(select max(temperature)  
from india where year=2017);
```

7. Is winter in Delhi in January 2017 colder than Mumbai?. Print average temperature of Delhi and Mumbai too

```
select min(temperature) , avg(temperature) from india where city='delhi' and month=1  
and year=2017;select min(temperature) , avg(temperature) from india where  
city='mumbai' and month=1 and  
year=2017;
```

8. Display the day, month, year and city of the coldest day.

```
select day,month,year,city from india where temperature=(select min(temperature) from  
india);
```