

BASIC SELECT

Revising Select Query 1:

select * from CITY where POPULATION > 100000 and COUNTRYCODE = 'USA';

Revising Select Query 2:

select NAME from CITY where POPULATION > 120000 and COUNTRYCODE = 'USA';

Select All:

select * from CITY;

Select By ID:

select * from CITY where ID = 1661;

Japanese Cities' Attributes:

select * from CITY where COUNTRYCODE = 'JPN';

Japanese Cities' Names:

select NAME from CITY where COUNTRYCODE = 'JPN';

Weather Observation Station 1:

select CITY, STATE from STATION;

Weather Observation Station 3:

select distinct CITY from STATION where (ID%2 = 0);

Weather Observation Station 4:

select count(CITY) – count(distinct CITY) from STATION;

Weather Observation Station 5:

select CITY, length(CITY) from STATION
where length(CITY) = (select min(length(CITY)) from STATION) # chose max(length())
order by CITY limit 1;

Weather Observation Station 6:

select distinct CITY from STATION where CITY regexp'^[aeiou]';
select distinct CITY from STATION where substr(CITY,1,1) in ('A','E','I','O','U')

Weather Observation Station 7:

select distinct CITY from STATION where CITY regexp'[aeiou]\$';
select distinct CITY from STATION where substr(CITY,1,1) in ('a','e','i','o','u');

Weather Observation Station 8:

```
select CITY from STATION where CITY regexp'^[aeiou].*[aeiou]$';  
select CITY from STATION where substr(CITY,1,1) in ('A','E','I','O','U') and substr(CITY,-1,1)  
in ('a','e','i','o','u');
```

Weather Observation Station 9:

```
select CITY from STATION where substr(CITY,1,1) not in ('A','E','I','O','U');  
select CITY from STATION where CITY not rlike '^[aeiou].*';
```

Weather Observation Station 10:

```
select CITY from STATION where substr(CITY,-1,1) not in ('a','e','i','o','u');
```

Weather Observation Station 11:

```
select CITY from STATION where substr(CITY,1,1) not in ('A','E','I','O','U') or  
substr(CITY,-1,1) not in ('a','e','i','o','u');
```

Weather Observation Station 12:

```
select distinct CITY from STATION where substr(CITY,1,1) not in ('A','E','I','O','U') and  
substr(CITY,-1,1) not in ('a','e','i','o','u');
```

Higher than 75 Marks:

```
select NAME from STUDENTS where(MARKS>75) order by substr(NAME,-3,3), ID;
```

Employee Names:

```
select NAME from EMPLOYEE order by NAME;
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Employee Salary:

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select NAME from EMPLOYEE where(SALARY>2000) and (MONTHS<10) order by  
EMPLOYEE_ID;
```