1. SELECT \*

FROM CITY

WHERE POPULATION>100000 and COUNTRYCODE='USA';

2. SELECT NAME

FROM CITY

WHERE POPULATION>120000 and COUNTRYCODE='USA';

3. SELECT \*

FROM CITY;

4. SELECT \*

FROM CITY

WHERE ID='1661';

5. SELECT \*

FROM CITY

WHERE COUNTRYCODE='JPN';

6. SELECT NAME

FROM CITY

WHERE COUNTRYCODE='JPN';

7. SELECT CITY, STATE

FROM STATION

ORDER BY CITY,STATE;

8. SELECT DISTINCT CITY

FROM STATION

WHERE (ID%2)=0

ORDER BY CITY;

9. SELECT COUNT(CITY) - COUNT(DISTINCT(CITY))

FROM STATION;

10. SELECT \* FROM (SELECT DISTINCT city, LENGTH(city) FROM station ORDER BY LENGTH(city) ASC, city ASC) WHERE ROWNUM = 1

UNION

SELECT \* FROM (SELECT DISTINCT city, LENGTH(city) FROM station ORDER BY LENGTH(city) DESC, city ASC) WHERE ROWNUM = 1;

11. SELECT DISTINCT(CITY)

FROM STATION

WHERE NAME LIKE '%a' LIKE '%e' LIKE 'i' LIKE 'O' LIKE 'u';

11. SELECT DISTINCT CITY

FROM STATION

WHERE CITY LIKE 'A%' OR CITY LIKE 'E%' OR CITY LIKE 'I%' OR CITY LIKE 'O%' OR CITY LIKE 'U%';

12. SELECT DISTINCT CITY

FROM STATION

WHERE CITY LIKE 'A%' OR CITY LIKE 'E%' OR CITY LIKE 'I%' OR CITY LIKE 'O%' OR CITY LIKE 'U%';

13. SELECT DISTINCT city

FROM station

WHERE NOT (city LIKE 'A%' OR city LIKE 'E%' OR city LIKE 'I%' OR city LIKE 'O%' OR city LIKE 'U%');

14. SELECT DISTINCT city

FROM station

WHERE NOT (city LIKE 'A%' OR city LIKE 'E%' OR city LIKE 'I%' OR city LIKE 'O%' OR city LIKE 'U%');

15. SELECT DISTINCT city

FROM station

WHERE NOT ((city LIKE 'A%' OR city LIKE 'E%' OR city LIKE 'I%' OR city LIKE 'O%' OR city LIKE 'U%')

OR NOT (city LIKE '%a' OR city LIKE '%e' OR city LIKE '%i' OR city LIKE '%o' OR city LIKE '%u'));

16. SELECT DISTINCT city

FROM station WHERE NOT

((city LIKE 'A%' OR city LIKE 'E%' OR city LIKE 'I%' OR city LIKE 'O%' OR city LIKE 'U%')

OR (city LIKE '%a' OR city LIKE '%e' OR city LIKE '%i' OR city LIKE '%o' OR city LIKE '%u'));

17. SELECT product\_id, product\_name

FROM Product

WHERE product\_id NOT IN (SELECT product\_id FROM sales WHERE sale\_date NOT BETWEEN '2019-01-01' AND '2019-03-31');

18. SELECT DISTINCT author\_id as id

FROM Views

where author\_id=viewer\_id;

19. select round(100\*d2.immediate\_orders/count(d1.delivery\_id), 2) as immediate\_percentage

from Delivery d1,

(select count(order\_date) as immediate\_orders

from Delivery

where (order\_date = customer\_pref\_delivery\_date)) d2;

20. select ad\_id,

ifnull(round(sum(action ='Clicked')/sum(action !='ignored') \*100,2),0) ctr

from ads

group by ad\_id

order by ctr desc, ad\_id

21. SELECT e.employee\_id, (SELECT count(team\_id) FROM Employee where e.team\_id = team\_id) as team\_size

FROM Employee e;

22. SELECT c.country\_name,

CASE

WHEN AVG(w.weather\_state \* 1.0) <= 15.0 THEN 'Cold'

WHEN AVG(w.weather\_state \* 1.0) >= 25.0 THEN 'Hot'

ELSE 'Warm'

END AS weather\_type

FROM Countries AS c

INNER JOIN Weather AS w ON c.country\_id = w.country\_id

WHERE w.day BETWEEN '2019-11-01' AND '2019-11-30'

GROUP BY c.country\_id;

23. SELECT product\_id, ifnull(round(sum(prices\_sum) / sum(units), 2), 0) as average\_price

from (

select p.product\_id as product\_id, units, price \* units as prices\_sum

from Prices p left join UnitsSold u

on p.product\_id = u.product\_id and purchase\_date between start\_date and end\_date

) as temp

group by product\_id;

24. select a.player\_id, min(a.event\_date) as first\_login

from Activity a

group by a.player\_id

25. select a.player\_id, a.device\_id from

(select player\_id, device\_id, min(event\_date)

from Activity

group by player\_id,device\_id) a

26. select a.product\_name, sum(unit) as unit

from Products a

left join Orders b

on a.product\_id = b.product\_id

where b.order\_date between '2020-02-01' and '2020-02-29'

group by a.product\_id

having sum(unit) >= 100