1. SELECT \* FROM CITY WHERE COUNTRYCODE="USA" AND POPULATION >=100000;

2. SELECT NAME FROM CITY WHERE COUNTRYCODE="USA" AND POPULATION >=120000;

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;

8. SELECT DISTINCT CITY AS DIST\_CITY FROM STATION WHERE ID % 2 = 0;

9. SELECT (COUNT(CITY))-(COUNT(DISTINCT CITY)) FROM STATION;

10. SELECT CITY, LENGTH(CITY) FROM STATION ORDER BY LENGTH(CITY) LIMIT 1;

SELECT CITY, LENGTH(CITY) FROM STATION ORDER BY LENGTH(CITY) DESC LIMIT 1;

11. SELECT DISTINCT CITY FROM STATION WHERE LEFT(CITY,1) IN ('A','E','I','O','U');

12. SELECT DISTINCT CITY FROM STATION WHERE RIGHT(CITY,1) IN ('A','E','I','O','U');

13. SELECT DISTINCT CITY FROM STATION WHERE LEFT (CITY,1) NOT IN ('A','E','I','O','U');

14. SELECT DISTINCT CITY FROM STATION WHERE RIGHT (CITY,1) NOT IN ('A','E','I','O','U');

15. SELECT DISTINCT CITY FROM STATION WHERE (LEFT (CITY,1) NOT IN ('A','E','I','O','U')) OR (RIGHT(CITY,1) NOT IN ('A','E','I','O','U'));

16. SELECT DISTINCT CITY FROM STATION WHERE (LEFT (CITY,1) NOT IN ('A','E','I','O','U')) AND (RIGHT(CITY,1) NOT IN ('A','E','I','O','U'));

17. SELECT b.PRODUCT\_ID, a.PRODUCT\_NAME FROM PRODUCT a, SALES b WHERE a.product\_id=b.product\_id and SALE\_DATE BETWEEN '2019-01-01' AND '2019-03-31'

and b.PRODUCT\_ID not in ( select product\_id from (select product\_id ,count(\*) cnt from SALES group by product\_id having count(\*)>1) a);

18. select distinct a.author\_id from author a, author b where a.author\_id=b.viewer\_id;

19. select CAST(count(case when order\_date = customer\_pref\_delivery\_date then 1 end) /count(\*) \*100 AS DECIMAL(5,2)) from Delivery;

20. select ad\_int, CAST (count(case when action = 'Clicked' then 1 end)/(count(case when action ='Clicked' then 1 end)+count(case when action = 'Viewed' then 1 end))\*100 as decimal(5,2)) from view GROUP BY ad\_int

21.

select b.employee\_id, team\_size from (select team\_id,count(\*) team\_size from employee group by team\_id) a,employee b

where a.team\_id=b.team\_id;

22.

select country\_name,

CASE

WHEN weather\_state<=15 THEN 'Cold'

WHEN weather\_state<=25 THEN 'Hot' ELSE 'WARM' END weather\_type

  from Countries a, Weather b where a.country\_id=b.country\_id

and day between '2019-11-01'  and '2019-11-30';

23.

SELECT X.PRODUCT\_ID,round(TOTAL\_SOLD/units1,2 )

FROM

(SELECT PRODUCT\_ID,SUM(TOTAL\_SOLD) AS TOTAL\_SOLD

FROM

(

SELECT A.PRODUCT\_ID AS PRODUCT\_ID,

CASE

WHEN PURCHASE\_DATE BETWEEN START\_DATE AND end\_date  THEN price\*UNITS

WHEN PURCHASE\_DATE BETWEEN START\_DATE AND end\_date  THEN price\*UNITS

END TOTAL\_SOLD

FROM Prices A, UnitsSold B

WHERE  A.product\_id=B.product\_id) A

GROUP BY PRODUCT\_ID) X,

(SELECT product\_id,SUM(units) units1 FROM UnitsSold GROUP BY product\_id) Y

WHERE X.PRODUCT\_ID=Y.PRODUCT\_ID;

24.

Select player\_id, min(event\_date) as first\_login

From Activity

Group by player

Order by player\_id asc

25.