RELATIONAL ALGEBRA

1. select UserName,Verified_Account from mbta_info where Verified_Account="True";
   π UserName,Verified_Account σ Verified_Account=True(mbta)

2. select DISTINCT UserName,Userfollwerscount FROM mbta_info;
   π UserName,Userfollwerscount (mbta)

3. select DISTINCT UserName,Userfollwerscount FROM mbta_info WHERE UserName = "MBTA";

   π UserName,Userfollwerscount σ UserName = MBTA(mbta)

4. SELECT DISTINCT Location FROM mbta_infO;
   π Location (mbta)

5. SELECT DISTINCT UserName,Location FROM mbta_infO where UserName="MBTA";

   π UserName,Locationσ UserName = MBTA(mbta)

6. select DISTINCT Source,UserName,Location from mbta_info where UserName="MBTA Commuter Rail";

π Source,UserName,Locationσ UserName=MBTA Commuter Rail(mbta)

7. SELECT DISTINCT UserName,User_Description from mbta_info ;
   π UserName,User_Description (mbta)

8. SELECT MAX(Userfavouritescount),UserName,Text , Source , Verified_Account FROM mbta_info;

Gmax (Userfavouritescount) π UserName,Text , Source , Verified_Account(mbta)

9. SELECT min(Userfavouritescount),UserName,Text , Source , Verified_Account FROM mbta_info;

   Gmin (Userfavouritescount) π UserName,Text , Source , Verified_Account(mbta)

10. SELECT UserName,text as textfield from mbta_info where text like '%North%';

    π UserName,text σ text =North (mbta)

11. SELECT COUNT(*) my_tweet_count FROM mbta_info LIMIT 1 ;

    Gcount (my_tweet_count) (mbta)

12. SELECT SUBSTR(created_at, 0, 10) tweet_date,
        COUNT(1) tweet_count
    FROM mbta_info
    GROUP BY SUBSTR(created_at, 0, 10)
    ORDER BY COUNT(1) DESC
    LIMIT 5;

13. ('select distinct UserName,Status_Count from mbta where UserName="MBTA"')
        π UserName, Status_Count σ UserName=MBTA(mbta)

14. select distinct UserName,listed_counted from mbta where UserName="MBTA"
        π UserName, listed_counted σ UserName=MBTA(mbta)

15. 'select distinct UserName,Location,Status_Count from mbta where location="Boston, MA"
    π UserName, ,Location,Status_Count σ location=Boston, MA

MBTA(mbta)

16. ('select * from mbta where Text like "%South%" ')

π UserName,text σ text =North (mbta)

17. select distinct Username,followers from result'
    π Username,followers (result)

18. select distinct Username,Verifcation from result where Verifcation=1'
    π Username,Verifcation σ Verifcation=1(result)

19. 'select distinct Username,Source from result')
    π Username,Source (result)

20. 'select distinct language, Username from result
    π language, Username (result)

21. 'select Username,Text,max(Number_of_Likes) from result'
    Gmax (Number_of_Likes) π Username,Text (result)

22. select * from result where Text like "%@uber%"
    π Textσ Text like "%@uber%"

23. ('select count(*) from result where Text like "%@uber%" ')
    Gcount (Text like "%@uber%") (result)

24. ('select * from result where Text like "%@lyft%" ')

    π Textσ Text like "%@lyft%"

25. ('select count(*) from result where Text like "%@lyft%" ')

    Gcount (Text like "%@lyft%" (result)