**Assignment:3**

**Twitter queries**

Purpose: Based on your Twitter database schema, you need to write below queries to perform required operation on database.

1. Fetch all users name from database.

|  |
| --- |
| select user\_name from User; |

1. Fetch all tweets of user by user id most recent tweets first.

|  |
| --- |
| select User.user\_id,User.user\_name,Tweet.tweet\_content from User INNER JOIN Tweet ON User.user\_id=Tweet.user\_id ORDER BY Tweet.tweet\_time ASC; |

1. Fetch like count of particular tweet by tweet id.

|  |
| --- |
| select Tweet.tweet\_id, COUNT(Activity.like) as retweet\_count from Tweet INNER JOIN Activity ON Tweet.tweet\_id=Activity.tweet\_id GROUP BY Activity.tweet\_id where Activity.like=1; |

1. Fetch retweet count of particular tweet by tweet id.

|  |
| --- |
| select Tweet.tweet\_id, COUNT(Activity.retweet) as retweet\_count from Tweet INNER JOIN Activity ON Tweet.tweet\_id=Activity.tweet\_id GROUP BY Activity.tweet\_id where Activity.retweet=1; |

1. Fetch comment count of particular tweet by tweet id.

|  |
| --- |
| select Tweet.tweet\_id, COUNT(Activity.comment) as retweet\_count from Tweet INNER JOIN Activity ON Tweet.tweet\_id=Activity.tweet\_id GROUP BY Activity.tweet\_id where Activity.comment=1; |

1. Fetch all user’s name who have retweeted particular tweet by tweet id.

|  |
| --- |
| select User.user\_name,Activity.tweet\_id from User INNER JOIN Activity ON User.user\_id=Activity.user\_id\_1 where Activity.retweet=1; |

1. Fetch all commented tweet’s content for particular tweet by tweet id.

|  |
| --- |
| select Tweet.tweet\_id,Tweet.tweet\_content from Tweet INNER JOIN Activity ON Tweet.tweet\_id=Activity.tweet\_id where Activity.comment=1; |

1. Fetch user’s timeline (All tweets from users whom I am following with tweet content and user name who has tweeted it)

|  |
| --- |
| select Tweet.tweet\_id,User.user\_name,Tweet.tweet\_content,Tweet.tweet\_time from User INNER JOIN Tweet ON User.user\_id=Tweet.user\_id; |