lender leaderboard used - dense_rank(), windowing, GROUP BY and COUNT()

FINAL:

```
SELECT DISTINCT user_db.First_Name, user_db.Last_Name, user_db.Email,Leaderboard.number_of_equipments, Leaderboard.Lender_Rank as Ranking FROM user_db INNER JOIN (SELECT Top_Len.Lender_ID, DENSE_RANK() OVER (ORDER BY Top_Len.number_of_equipments DESC) as Lender_Rank, Top_Len.number_of_equipments FROM (SELECT A.Owner_ID as Lender_ID, COUNT(A.Issue_Date_Time) as number_of_equipments FROM (SELECT userequip_db.User_ID as Owner_ID, borrow_db.Equipment_ID as Equipment_ID, borrow_db.Issue_Date_Time FROM userequip_db INNER JOIN borrow_db WHERE userequip_db.Equipment_ID = borrow_db.Equipment_ID) as A GROUP BY A.Owner_ID) as Top_Len) AS Leaderboard ON user_db.User_ID = Leaderboard.Lender_ID;
```

2. Gender classification for favorite sport

```
SELECT coalesce(A.Gender, 'All') as User_Gender, coalesce(sports_db.Name, 'All') as Favorite_Sport, COUNT(A.User_ID) Number_of_User FROM (SELECT user_db.Gender, favorite_db.User_ID, favorite_db.Sport_ID FROM favorite_db INNER JOIN user_db ON user_db.User_ID = favorite_db.User_ID) as A INNER JOIN sports_db ON A.Sport_ID = sports_db.Sport_ID GROUP BY A.Gender, sports_db.Name WITH ROLLUP UNION

SELECT coalesce(A.Gender, 'All'), coalesce(sports_db.Name, 'All'), COUNT(A.User_ID) Number_of_User FROM (SELECT user_db.Gender, favorite_db.User_ID, favorite_db.Sport_ID FROM favorite_db INNER JOIN user_db ON user_db.User_ID = favorite_db.User_ID) as A INNER JOIN sports_db ON A.Sport_ID = sports_db.Sport_ID GROUP BY sports_db.Name, A.Gender WITH ROLLUP;
```

3. Age Grouping of Users along with gender based classification timestampdiff(YEAR, birth_date, now()) AS age

```
SELECT coalesce(udb.Gender, 'All') User Gender ,
coalesce(Age_Wise.Age_Group, 'All') User_Age_Group, COUNT(udb.User_ID)
Number_of_users FROM user_db udb INNER JOIN (SELECT A.User_ID,
CASE WHEN A.User Age >= 18
and A.User_Age <= 24 then "[18-24]" when A.User_Age >= 25
and A.User_Age <= 30 then "[25-30]" when A.User_Age >= 31
and A.User Age <= 35 then "[31-35]" when A.User Age >= 36
and A.User Age <= 40 then "[36-40]"
ELSE "41 and above"
END as Age_Group
FROM
(SELECT user db.User ID, user db.Gender, timestampdiff(YEAR,
user db.Date of Birth, now()) as User Age FROM user db) as A) as Age Wise
ON udb.User ID = Age Wise.User ID GROUP BY udb.Gender, Age Wise.Age Group
WITH ROLLUP UNION
SELECT coalesce(udb.Gender, 'All') User Gender,
coalesce(Age_Wise.Age_Group, 'All') User_Age Group, COUNT(udb.User ID)
Number_of_users FROM user_db udb INNER JOIN (SELECT A.User_ID,
CASE WHEN A.User Age >= 18
and A.User_Age <= 24 then "[18-24]" when A.User_Age >= 25
and A.User_Age <= 30 then "[25-30]" when A.User_Age >= 31
and A.User_Age <= 35 then "[31-35]" when A.User_Age >= 36
and A.User_Age <= 40 then "[36-40]"</pre>
ELSE "41 and above"
END as Age Group
FROM
(SELECT user db.User ID, user db.Gender, timestampdiff(YEAR,
user_db.Date_of_Birth, now()) as User_Age FROM user_db) as A) as Age_Wise
ON udb.User ID = Age Wise.User ID GROUP BY Age Wise.Age Group, udb.Gender
WITH ROLLUP;
```