Question 1

Analytical values as a single data set

```sql
SELECT COUNT(User.ID) AS TotalNumberOfUsers INTO @TotalNumberOfUsers
FROM User;
-- SELECT @TotalNumberOfUsers;
SELECT COUNT(Post.ID) AS TotalNumberOfPosts INTO @TotalNumberOfPosts
FROM Post;
-- SELECT @TotalNumberOfPosts;

SELECT @TotalNumberOfPosts / @TotalNumberOfUsers INTO
@AvgNumberOfPostsPerUser;
-- SELECT @AvgNumberOfPostsPerUser;

SELECT MAX(NumberOfPosts) INTO @MaxNumberOfPostsPerUser FROM (SELECT
COUNT(Post.UserID) AS NumberOfPosts FROM Post GROUP BY Post.UserID)
AS MaxPostNumber;
-- SELECT @MaxNumberOfPostsPerUser;

SELECT COUNT(Liking.PostID) AS NumberOfLikes INTO @NumberOfLikes FROM
Liking;
SELECT @NumberOfLikes / @TotalNumberOfPosts INTO
@AvgNumberOfLikesPerPost;
-- SELECT @AvgNumberOfLikesPerPost

SELECT MAX(MaxNumberOfLikesPerPost) INTO @MaxNumberOfLikesPerPost
FROM (SELECT Liking.PostID, COUNT(Liking.PostID) AS
MaxNumberOfLikesPerPost FROM Liking GROUP BY Liking.PostID) AS
MaxNumberOfLikes;
-- SELECT @MaxNumberOfLikesPerPost

SELECT @TotalNumberOfUsers, @TotalNumberOfPosts,
@AvgNumberOfPostsPerUser, @MaxNumberOfPostsPerUser,
@AvgNumberOfLikesPerPost, @MaxNumberOfLikesPerPost
```

Question 2

Top 10 Users with most posts

```
SELECT Post.UserID, User.Username, COUNT(Post.UserID) AS
NumberOfPosts FROM Post INNER JOIN User ON Post.UserID = User.ID
GROUP BY UserID ORDER BY NumberOfPosts DESC LIMIT 10;
```

Question 3

Number of user registrations by date

```
Select count(User.CreationTime), DATE_FORMAT(User.CreationTime,"%Y-
%m-%d") as Created_Per_Day FROM User GROUP BY Created_Per_Day;
```

Question 4

User division by gender

```
SELECT Gender.Name, COUNT(User.GenderID) AS Total FROM User INNER
JOIN Gender ON User.GenderID = Gender.ID GROUP BY Gender.ID;
```