```
 1
 2  1) NAMES:
 3      Husam Abdul-Kafi - hsa2136
 4      Qitong Liu - ql2257
 5
 6  2) PosgreSQL Account:
 7      psql -U ql2257 -h w4111a.eastus.cloudapp.azure.com proj1part2
 8
 9  3) Three Interesting SQL Queries:
10
11  The following will get the videos that are in the top 10 of the
    hightest ratio of likes to dislikes amongst the videos the channels
    User 0 subscribes to uploaded or liked.
12
13  (SELECT v1.video_id, v1.title, v1.dislike_count, v1.like_count,
    v1.view_count, v1.like_count/(1 + v1.dislike_count) AS ratio
14  FROM uploaded_by ub1, video v1
15  WHERE v1.video_id = ub1.video_id AND ub1.c_id IN (SELECT st1.c_id
16  FROM subscribes_to st1
17  WHERE st1.user_id = 0))
18  UNION
19  (SELECT v.video_id, v.title, v.dislike_count, v.like_count,
    v.view_count, v.like_count/(1 + v.dislike_count) AS ratio
20  FROM likes_2 ub, video v
21  WHERE v.video_id = ub.video_id AND ub.c_id IN (SELECT st.c_id
22  FROM subscribes_to st
23  WHERE st.user_id = 0))
24  ORDER BY ratio DESC
25  LIMIT 10;
26
27
28  The following will get the videos that are in the top 10 by like count
    using the same criteria as above.
29
30  (SELECT v1.video_id, v1.title, v1.dislike_count, v1.like_count,
    v1.view_count
31  FROM uploaded_by ub1, video v1
32  WHERE v1.video_id = ub1.video_id AND ub1.c_id IN (SELECT st1.c_id
33  FROM subscribes_to st1
34  WHERE st1.user_id = 0))
35  UNION
36  (SELECT v.video_id, v.title, v.dislike_count, v.like_count,
    v.view_count
37  FROM likes_2 ub, video v
38  WHERE v.video_id = ub.video_id AND ub.c_id IN (SELECT st.c_id
39  FROM subscribes_to st
40  WHERE st.user_id = 0))
41  ORDER BY like_count DESC
42  LIMIT 10;
43
44
45  The following two queries will get the total number of views/likes on
    the videos uploaded by each channel in the channel list.
```

```sql
46
47   SELECT ub.c_id, SUM(view_count) AS total_views
48   FROM video v, uploaded_by ub
49   WHERE v.video_id = ub.video_id
50   GROUP BY ub.c_id;
51
52
53   SELECT ub.c_id, SUM(like_count) AS total_likes
54   FROM video v, uploaded_by ub
55   WHERE v.video_id = ub.video_id
56   GROUP BY ub.c_id;
57
```