INFO 6210

Data Management and Database Design
Physical Data Model and Social Media

Assignment 2
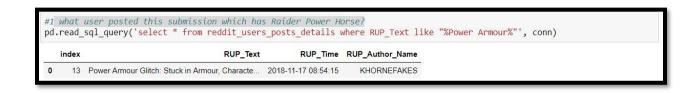
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⬩ Part 2

⬩ SQL Queries Execution

⬩ Queries for Physical Model

1. **what user posted this submission which has Raider Power Horse?**

   ➢ pd.read_sql_query('select * from reddit_users_posts_details where RUP_Text like "%Power Armour%"', conn)

   ```
   #1 what user posted this submission which has Raider Power Horse?
   pd.read_sql_query('select * from reddit_users_posts_details where RUP_Text like "%Power Armour%"', conn)
   ```
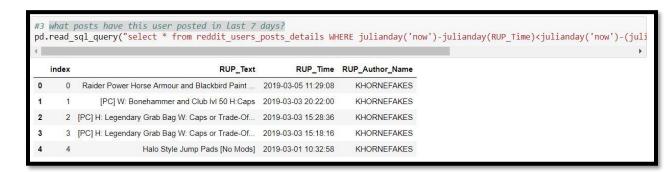
	index	RUP_Text	RUP_Time	RUP_Author_Name
0	13	Power Armour Glitch: Stuck in Armour, Characte...	2018-11-17 08:54:15	KHORNEFAKES

2. **When did user post this?**

   ➢ pd.read_sql_query('select RUP_Time from reddit_users_posts_details where RUP_Text=(select RUP_Text from reddit_users_posts_details where RUP_Text like "%Power Armour%")', conn)

   ```
   #2 when did user post this?
   pd.read_sql_query('select RUP_Time from reddit_users_posts_details where RUP_Text=(select RUP_Text from reddit_users_posts_de
   ```

	RUP_Time
0	2018-11-17 08:54:15

3. What posts have this user posted in last 7 days?

➢ pd.read_sql_query("select * from reddit_users_posts_details WHERE julianday('now')-julianday(RUP_Time)<julianday('now')-(julianday('now')-7) and RUP_Author_Name='KHORNEFAKES'",conn)

```
#3 what posts have this user posted in last 7 days?
pd.read_sql_query("select * from reddit_users_posts_details WHERE julianday('now')-julianday(RUP_Time)<julianday('now')-(juli
```

	index	RUP_Text	RUP_Time	RUP_Author_Name
0	0	Raider Power Horse Armour and Blackbird Paint ...	2019-03-05 11:29:08	KHORNEFAKES
1	1	[PC] W: Bonehammer and Club lvl 50 H:Caps	2019-03-03 20:22:00	KHORNEFAKES
2	2	[PC] H: Legendary Grab Bag W: Caps or Trade-Of...	2019-03-03 15:28:36	KHORNEFAKES
3	3	[PC] H: Legendary Grab Bag W: Caps or Trade-Of...	2019-03-03 15:18:16	KHORNEFAKES
4	4	Halo Style Jump Pads [No Mods]	2019-03-01 10:32:58	KHORNEFAKES

4. How many posts have this user posted in last 7 days?

➢ pd.read_sql_query("select count(*) from reddit_users_posts_details WHERE julianday('now')-julianday(RUP_Time)<julianday('now')-(julianday('now')-7) and RUP_Author_Name='KHORNEFAKES'",conn) pd.read_sql_query("select count(*) from reddit_users_posts_details WHERE julianday('now')-julianday(RUP_Time)<julianday('now')-(julianday('now')-7) and RUP_Author_Name='KHORNEFAKES'",conn)

```
#4 how many posts have this user posted in last 7 days?
pd.read_sql_query("select count(*) from reddit_users_posts_details WHERE julianday('now')-julianday(RUP_Time)<julianday('now'
```

	count(*)
0	5

5. What subreddits are popular?

➢ pd.read_sql_query("select RU_Title, RU_Upvotes from Reddit_Users_Details where RU_Upvotes = (Select max(RU_Upvotes) from Reddit_Users_Details)", conn)

```
#5 what subreddits are popular?
pd.read_sql_query("select RU_Title, RU_Upvotes from Reddit_Users_Details where RU_Upvotes = (Select max(RU_Upvotes) from Redd
```

	RU_Title	RU_Upvotes
0	Facebook Inc. took a second stab at convincing...	40768

✚ Use Case Specific Queries

6. What Twitter CEO posts are popular?

> pd.read_sql_query('''select T_CEO_Text
> from Twitter_CEO_Details
> where T_CEO_Retweet_Count = (Select max(T_CEO_Retweet_Count)
> from Twitter_CEO_Details)''',conn)

```
#6 what posts are popular ?
pd.read_sql_query('''select  T_CEO_Text
from Twitter_CEO_Details
where T_CEO_Retweet_Count = (Select max(T_CEO_Retweet_Count)
from Twitter_CEO_Details )''',conn)
```

	T_CEO_Text
0	RT @NASA: Hey @Marvel, we heard about Tony Sta...

7. Posts which are retweeted for company name is disney?

> pd.read_sql_query('select * from Twitter_CEO_Details where T_CEO_Text
> like "RT%" and T_Company_Name="disney"',conn)

```
#7 select posts which are retweeted and company name is disney
pd.read_sql_query('select * from Twitter_CEO_Details where  T_CEO_Text like "RT%" and T_Company_Name="disney"',conn)
```

	index	T_CEO_Time	T_CEO_Text	T_CEO_ID	T_Company_Name	T_CEO_Name	T_CEO_Retweet_Count
0	1	2019-02-25 06:07:55	RT @MarvelStudios: Congratulations to #BlackPa...	1099913863657533445	disney	RobertIger	5249
1	2	2019-02-25 06:07:50	RT @jimmykimmel: Starting to feel like I might...	1099913842224558080	disney	RobertIger	2083
2	3	2019-02-25 06:07:42	RT @DisneyD23: July 19 #TheLionKing https://t....	1099913809198702592	disney	RobertIger	806
3	4	2019-02-25 06:07:38	RT @Disney: .@DisneyPixar's #Bao wins the Acad...	1099913794224934912	disney	RobertIger	2117
4	5	2019-02-25 06:07:31	RT @MarvelStudios: Congratulations to #BlackPa...	1099913765036814336	disney	RobertIger	9593
5	6	2019-02-25 06:07:26	RT @MarvelStudios: Congratulations to #BlackPa...	1099913742001758208	disney	RobertIger	8474
6	11	2019-02-16 12:08:29	RT @WaltDisneyCo: We are sorry to report that ...	1096743114193227776	disney	RobertIger	757
7	17	2019-02-08 21:04:56	RT @VanityFair: Black Panther could still give...	1093979013436108800	disney	RobertIger	28
8	22	2019-02-04 04:07:57	RT @Disney: To infinity and... #ToyStory4! See...	1092273529976848385	disney	RobertIger	7801
9	36	2018-12-14 22:47:27	RT @disneybear333: I got to drop off my donati...	1073711092956913664	disney	RobertIger	15
10	37	2018-12-10 14:50:43	RT @NASA: Hey @Marvel, we heard about Tony Sta...	1072141564711907329	disney	RobertIger	167138
11	49	2018-11-13 04:21:18	RT @Rachel__Nichols: Cool way to close out Vet...	1062198698111721473	disney	RobertIger	588
12	74	2018-07-28 13:31:26	RT @TheUndefeated: Don't miss excerpts of our ...	1023199252850397184	disney	RobertIger	56

8. <u>Count of submissions having sector as Technology?</u>

➤ pd.read_sql_query("""select count(RU_Submission_ID) from
        reddit_users_details where RU_Company_Name
        IN (select company_name from company_details_table
        where sector='Technology')""",conn)

```
#8 Select count of submissions having sector as Technology
pd.read_sql_query("""select count(RU_Submission_ID) from
            reddit_users_details where RU_Company_Name
            IN ( select  company_name from company_details_table
            where sector='Technology')""",conn)
```

	count(RU_Submission_ID)
0	126

9. <u>Title of CEO having highest number of employees?</u>

➤ pd.read_sql_query("""SELECT ceo_name,CEO_Title from
    Company_CEO_Table
    where company_id = (select company_id
    from company_ranking_table
    where company_employees = (select max(company_employees)

```
from company_ranking_table) )""",conn)
```

```
#9 Title of CEO having highest number of employees
pd.read_sql_query("""SELECT ceo_name,CEO_Title from Company_CEO_Table
where company_id = (select company_id
from company_ranking_table
where company_employees = (select max(company_employees)
from company_ranking_table) )""",conn)
```

	CEO_Name	CEO_Title
0	Joey Wat	Chairman & Chief Executive Officer

10. Sector of industry having lowest job growth?

> pd.read_sql_query('''select sector,count() cnt
>   from company_details_table as cdt2
>   group by sector having job_growth='no' order by cnt LIMIT 1
>   ''',conn)

```
#10 sector of industry having lowest job growth
pd.read_sql_query('''select sector,count() cnt
          from company_details_table as cdt2
          group by sector having job_growth='no' order by cnt LIMIT 1
          ''',conn)
```

	Sector	cnt
0	Food & Drug Stores	4

11. Total number of employees in NJ state?

> pd.read_sql_query('''select sum(company_employees) from company_ranking_table where company_id in (select company_id from company_addresses_table WHERE company_HQ_state="NJ")''',conn)

```
#11 Total number of employees in NJ state
pd.read_sql_query('''select sum(company_employees) from company_ranking_table where company_id in (select company_id from com
```

	sum(company_employees)
0	1137655

12. Total number of woman CEOs?

> pd.read_sql_query('''select count(*) from company_ceo_table where ceo_woman="yes"''',conn)

```
#12 Total number of woman CEOs
pd.read_sql_query('''select count(*) from company_ceo_table where ceo_woman="yes"''',conn)
```

	count(*)
0	26

13. Company having highest revenue?

> pd.read_sql_query('''select company_name
>   from
>   company_details_table
>   where company_id =(select company_id
>   from company_revenue_table
>   where company_revenue=(select max(company_revenue)
>   from company_revenue_table))''',conn)

```
#13 company having highest revenue
pd.read_sql_query('''select company_name
                     from
                     company_details_table
                     where company_id =(select company_id
                     from company_revenue_table
                     where company_revenue=(select max(company_revenue)
                     from company_revenue_table))''',conn)
```

	Company_Name
0	United Technologies Corporation

14. Select posts related to economy?

> pd.read_sql_query('select RUP_Text from reddit_users_posts_details where RUP_Text like "%econo%"',conn)

```
#14 select posts related to economy
pd.read_sql_query('select RUP_Text from reddit_users_posts_details where RUP_Text like "%econo%"',conn)
```

	RUP_Text
0	Trump claims Obama was causing economic 'depre...
1	Economists cut expectations after Trump shutdown

15. Total no of posts by Disney Twitter Account?

> pd.read_sql_query('select count(*) from twitter_ceo_details where t_company_name="disney"',conn)

```python
#15 total no of posts by Disney Twitter Account
pd.read_sql_query('select count(*) from twitter_ceo_details where t_company_name="disney"',conn)
```

	count(*)
0	161