TWITTER BOT

1. EXTRACTING TWITTER USER TABLE FROM TWITTER API

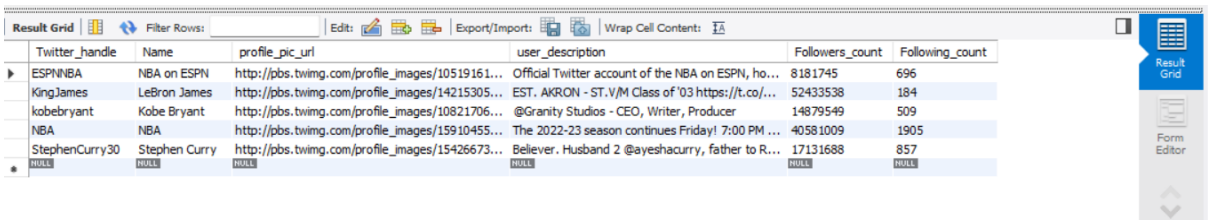
```
# TWITTER_USER Table

NBA_sql = mysql.connector.connect(host = 'localhost', user = 'root',passwd = 'Vikrant@123', database = 'NBA')
mycursor = NBA_sql.cursor()

user_df = pd.read_csv('user_df.csv')

for i,row in user_df.iterrows():
    sql = "INSERT INTO NBA.TWITTER_USER values (%s,%s,%s,%s,%s,%s)"
    mycursor.execute(sql,tuple(row))
    print("Record inserted")
    NBA_sql.commit()

twitter_handles =['NBA','KingJames','StephenCurry30','kobebryant','ESPNNBA']
```



Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

Twitter_handle	Name	profile_pic_url	user_description	Followers_count	Following_count
ESPNNBA	NBA on ESPN	http://pbs.twimg.com/profile_images/10519161...	Official Twitter account of the NBA on ESPN, ho...	8181745	696
KingJames	LeBron James	http://pbs.twimg.com/profile_images/14215305...	EST. AKRON - ST.V/M Class of '03 https://t.co/...	52433538	184
kobebryant	Kobe Bryant	http://pbs.twimg.com/profile_images/10821706...	@Granity Studios - CEO, Writer, Producer	14879549	509
NBA	NBA	http://pbs.twimg.com/profile_images/15910455...	The 2022-23 season continues Friday! 7:00 PM ...	40581009	1905
StephenCurry30	Stephen Curry	http://pbs.twimg.com/profile_images/15426673...	Believer. Husband 2 @ayeshacurry, father to R...	17131688	857
NULL	NULL	NULL	NULL	NULL	NULL

Result Grid | Form Editor

2. EXTRACTING TWITTER DETAILS TABLE FROM TWITTER API

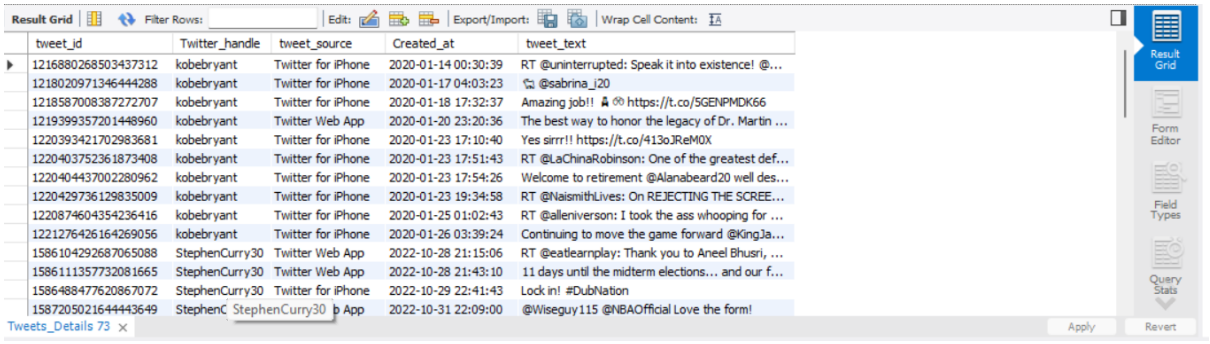
```
#Tweets_Details Table

main_df = pd.DataFrame(columns = ['tweet_id','twitter_handle','date_time','tweet_source', 'tweet_text' ])
for twitter_handle in twitter_handles:
  df = pd.DataFrame(columns = ['tweet_id','twitter_handle','date_time','tweet_source', 'tweet_text' ])
  tweets = API.user_timeline(screen_name=twitter_handle,
                             # 200 is the maximum allowed count
                             count=10,
                             include_rts = True,
                             # Necessary to keep full_text
                             # otherwise only the first 140 words are extracted
                             tweet_mode = 'extended'
                             )
  for i in range(len(tweets)):
    df.loc[i] = [tweets[i].id_str, twitter_handle, tweets[i].source, tweets[i].created_at, tweets[i].full_text]
  main_df = pd.concat([main_df, df], axis=0)



for i,row in main_df.iterrows():
    sql = "INSERT INTO NBA.Tweets_Details values (%s,%s,%s,%s,%s)"
    mycursor.execute(sql,tuple(row))
    print("Record inserted")
    NBA_sql.commit()

main_df.to_csv(r'C:\Users\Vikrant Satish Pawar\Downloads\Tweepy\Tweets_Details.csv')
```



tweet_id	Twitter_handle	tweet_source	Created_at	tweet_text
1216880268503437312	kobebryant	Twitter for iPhone	2020-01-14 00:30:39	RT @uninterrupted: Speak it into existence! @...
1218020971346444288	kobebryant	Twitter for iPhone	2020-01-17 04:03:23	@sabrina_i20
1218587008387272707	kobebryant	Twitter for iPhone	2020-01-18 17:32:37	Amazing job!! https://t.co/5GENPMDK66
1219399357201448960	kobebryant	Twitter Web App	2020-01-20 23:20:36	The best way to honor the legacy of Dr. Martin ...
1220393421702983681	kobebryant	Twitter for iPhone	2020-01-23 17:10:40	Yes sirrr!! https://t.co/413oJReM0X
1220403752361873408	kobebryant	Twitter for iPhone	2020-01-23 17:51:43	RT @LaChinaRobinson: One of the greatest def...
1220404437002280962	kobebryant	Twitter for iPhone	2020-01-23 17:54:26	Welcome to retirement @Alanabeard20 well des...
1220429736129835009	kobebryant	Twitter for iPhone	2020-01-23 19:34:58	RT @NaismithLives: On REJECTING THE SCREE...
1220874604354236416	kobebryant	Twitter for iPhone	2020-01-25 01:02:43	RT @alleniverson: I took the ass whooping for ...
1221276426164269056	kobebryant	Twitter for iPhone	2020-01-26 03:39:24	Continuing to move the game forward @KingJa...
1586104292687065088	StephenCurry30	Twitter Web App	2022-10-28 21:15:06	RT @eatlearnplay: Thank you to Aneel Bhusri, ...
1586111357732081665	StephenCurry30	Twitter Web App	2022-10-28 21:43:10	11 days until the midterm elections... and our f...
1586488477620867072	StephenCurry30	Twitter for iPhone	2022-10-29 22:41:43	Lock in! #DubNation
1587205021644443649	StephenC	StephenCurry30 b App	2022-10-31 22:09:00	@Wiseguy115 @NBAOfficial Love the form!

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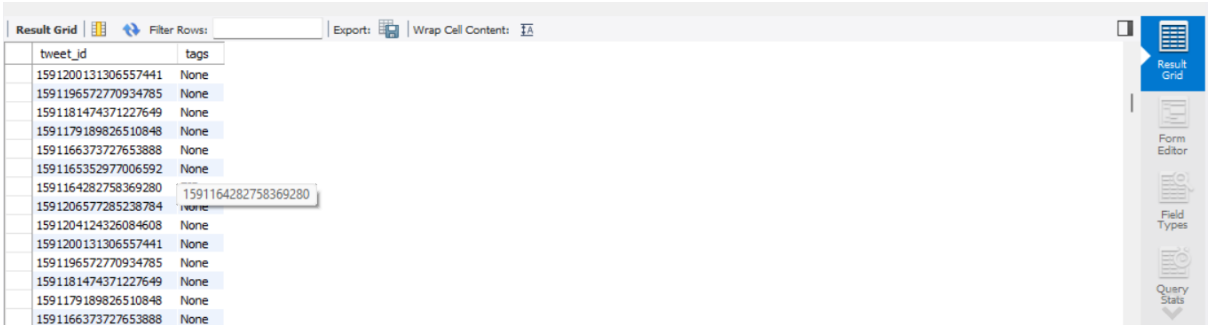
Result Grid | Form Editor | Field Types | Query Stats | Apply | Revert

3. EXTRACTING TWITTER USER TABLE FROM TWITTER API

```
# tags table Table

hash_df = pd.DataFrame(columns = ['tweet_id','hashtags'])
for twitter_handle in twitter_handles:
  i=0
  df = pd.DataFrame(columns = ['tweet_id','hashtags'])
  tweets = API.user_timeline(screen_name=twitter_handle,
                             count=10,
                             include_rts = True,
                             tweet_mode = 'extended'
                             )
  for i in range(len(tweets)):
    if not tweets[i].entities.get('hashtags'):
      tweet_hashtags = "None"
    else:
      tag_dict = tweets[i].entities.get('hashtags')
      tweet_hashtags = tag_dict[0]['text']
    df.loc[i] = [tweets[i].id_str, tweet_hashtags]

    hash_df = pd.concat([hash_df, df], axis=0)

hash_df.reset_index(drop=True, inplace=True)

for i,row in hash_df.iterrows():
    sql = "INSERT INTO NBA.Tweet_Tags values (%s,%s)"
    mycursor.execute(sql,tuple(row))
    print("Record inserted")
    NBA_sql.commit()

hash_df.to_csv(r'C:\Users\Vikrant Satish Pawar\Downloads\Tweepy\Tweet_Tags.csv')
```



tweet_id	tags
1591200131306557441	None
1591196572770934785	None
1591181474371227649	None
1591179189826510848	None
1591166373727653888	None
1591165352977006592	None
1591164282758369280	
1591206577285238784	
1591204124326084608	None
1591200131306557441	None
1591196572770934785	None
1591181474371227649	None
1591179189826510848	None
1591166373727653888	None

1591164282758369280