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1  -- repeatable DDL script
2
3  -- drop all procedures
4
5  DROP PROCEDURE IF EXISTS InsertCreator;
6  GO
7
8  DROP PROCEDURE IF EXISTS InsertVideo;
9  GO
10
11 DROP PROCEDURE IF EXISTS NewHashtag;
12 GO
13
14 -- drop all views
15 DROP VIEW IF EXISTS VideosbyCreators;
16 GO
17
18 DROP VIEW IF EXISTS AverageVideoTime;
19 GO
20
21 DROP VIEW IF EXISTS Recommendations;
22 GO
23
24 DROP VIEW IF EXISTS AllUsers;
25 GO
26
27 DROP VIEW IF EXISTS RankCreatorsByFollowers;
28 GO
29
30 DROP VIEW IF EXISTS Tags;
31 GO
32
33 -- drop functions
34 DROP FUNCTION IF EXISTS TotalMinutesByCreator;
35 GO
36
37 DROP FUNCTION IF EXISTS Verify;
38 GO
39
40 -- drop all tables in reverse order of their dependencies
41 DROP TABLE IF EXISTS dbo.PlatformAlgorithm;
42 GO
43
44 DROP TABLE IF EXISTS dbo.UserVideo;
45 GO
46
47 DROP TABLE IF EXISTS dbo.VideoHashtag;
48 GO
49
50 DROP TABLE IF EXISTS dbo.UserCreator;
51 GO
52
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53 DROP TABLE IF EXISTS dbo.[Platform];
54 GO
55
56 DROP TABLE IF EXISTS dbo.[Algorithm];
57 GO
58
59 DROP TABLE IF EXISTS dbo.Hashtag;
60 GO
61
62 DROP TABLE IF EXISTS dbo.Video;
63 GO
64
65 DROP TABLE IF EXISTS dbo.[User];
66 GO
67
68 DROP TABLE IF EXISTS dbo.Creator;
69 GO
70
71 -- create all tables in order of their dependencies
72
73 CREATE TABLE dbo.Creator
74 (
75     CreatorID int IDENTITY NOT NULL ,
76     CreatorName varchar(50),
77     CreatorSince datetime,
78     Followers int,
79     VerifiedStatus varchar(30)
80     CONSTRAINT Creator_PK PRIMARY KEY (CreatorID),
81     CONSTRAINT Creator_U1 UNIQUE (CreatorName)
82 );
83 GO
84
85 CREATE TABLE dbo.[User]
86 (
87     UserID int IDENTITY NOT NULL ,
88     UserName varchar(50) NOT NULL
89     CONSTRAINT User_PK PRIMARY KEY (UserID)
90 );
91 go
92
93 CREATE TABLE dbo.Video
94 (
95     VideoID int IDENTITY NOT NULL,
96     VideoName varchar(50) NOT NULL,
97     VideoLength_seconds int,
98     CreatorID int,
99     PublicationDate datetime
100     CONSTRAINT Video_PK PRIMARY KEY (VideoID),
101     CONSTRAINT Video_FK1 FOREIGN KEY (CreatorID) REFERENCES dbo.Creator
102 );
103 go
104
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105 CREATE TABLE dbo.Hashtag
106 (
107     HashtagID int IDENTITY NOT NULL,
108     VideoID int,
109     TagName varchar(50) NOT NULL
110     CONSTRAINT Hashtag_PK PRIMARY KEY (HashtagID),
111     CONSTRAINT Hashtag_FK1 FOREIGN KEY (VideoID) REFERENCES dbo.Video
112 );
113 go
114
115 CREATE TABLE dbo.[Algorithm]
116 (
117     AlgorithmID int IDENTITY NOT NULL ,
118     HashtagID int NOT NULL,
119     RecommendedVideos varchar(75)
120     CONSTRAINT Algorithm_PK PRIMARY KEY (AlgorithmID),
121     CONSTRAINT Algorithm_FK1 FOREIGN KEY (HashtagID) REFERENCES dbo.Hashtag
122     (HashtagID),
123     CONSTRAINT Algorithm_U1 UNIQUE (RecommendedVideos)
124 );
125 go
126
127 CREATE TABLE dbo.[Platform]
128 (
129     PlatformID int IDENTITY NOT NULL,
130     PlatformName varchar(30) NOT NULL,
131     RecommendedVideos varchar(75)
132     CONSTRAINT Platform_PK PRIMARY KEY (PlatformID),
133     CONSTRAINT Platform_FK1 FOREIGN KEY (RecommendedVideos) REFERENCES dbo.
134     [Algorithm] (RecommendedVideos),
135 );
136 go
137
138 CREATE TABLE dbo.UserCreator
139 (
140     UserCreatorID int IDENTITY NOT NULL,
141     UserID int,
142     CreatorName varchar(50) NOT NULL
143     CONSTRAINT UserCreator_PK PRIMARY KEY (UserCreatorID),
144     CONSTRAINT UserCreator_FK1 FOREIGN KEY (UserID) REFERENCES dbo.[User]
145     (UserID),
146     CONSTRAINT UserCreator_FK2 FOREIGN KEY (CreatorName) REFERENCES dbo.Creator
147     (CreatorName)
148 );
149 go
150
151 --CREATE TABLE dbo.Advertisers
152 --(
153 --    AdvertiserID int IDENTITY NOT NULL,
154 --    AdvertiserName varchar(50) NOT NULL,
155 --    Partnerships varchar(20)
156 --    CONSTRAINT Advertisers_PK PRIMARY KEY (AdvertiserID),
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153 --);
154 --go
155
156
157 CREATE TABLE VideoHashtag
158 (
159     VideoHashtagID int IDENTITY NOT NULL,
160     HashtagID int,
161     VideoID int
162     CONSTRAINT VideoHashtag_PK PRIMARY KEY (VideoHashtagID),
163     CONSTRAINT VideoHashtag_FK1 FOREIGN KEY (HashtagID) REFERENCES dbo.Hashtag,
164     CONSTRAINT VideoHashtag_FK2 FOREIGN KEY (VideoID) REFERENCES dbo.Video
165 );
166 go
167
168 CREATE TABLE UserVideo
169 (
170     UserVideoId int IDENTITY NOT NULL,
171     UserID int,
172     VideoID int
173     CONSTRAINT UserVideo_PK PRIMARY KEY (UserVideoID),
174     CONSTRAINT UserVideo_FK1 FOREIGN KEY (UserID) REFERENCES dbo.[User],
175     CONSTRAINT UserVideo_FK2 FOREIGN KEY (VideoID) REFERENCES dbo.Video
176 );
177 go
178
179 CREATE TABLE PlatformAlgorithm
180 (
181     PlatformAlgorithmID int IDENTITY NOT NULL,
182     AlgorithmID int,
183     HashtagID int
184     CONSTRAINT PlatformAlgorithm_PK PRIMARY KEY (PlatformAlgorithmID),
185     CONSTRAINT PlatformAlgorithm_FK1 FOREIGN KEY (AlgorithmID) REFERENCES dbo.  ↗
186     [Algorithm],
187     CONSTRAINT PlatformAlgorithm_FK2 FOREIGN KEY (HashtagID) REFERENCES  ↗
188     dbo.Hashtag
189 );
190 go
191
192 -- enter in data into your tables
193 INSERT INTO Creator (CreatorName, CreatorSince, Followers, VerifiedStatus)
194 VALUES ('vidmaster', '7/5/2016', '1200', 'Verified'), ('animalanimations',  ↗
195     '3/14/2017', '850', 'Unverified'), ('newsbites', '2/22/2018', '1000',  ↗
196     'Verified'),
197     ('foodqueen', '4/30/2017', '700', 'Unverified'), ('singmusic', '11/21/2019',  ↗
198     '850', 'Unverified'), ('studydata', '5/18/2018', '650', 'Unverified'),
199     ('gamegod', '10/16/2017', '1400', 'Verified'), ('allmythoughts', '4/3/2020',  ↗
200     '750', 'Unverified'), ('artful', '9/15/2016', '550', 'Unverified'),
201     ('cityguides', '6/7/2019', '900', 'Unverified')
202
203 INSERT INTO [User] (UserName)
204 VALUES ('gamergeek'), ('notabot22'), ('doglover09'), ('yourfoodiefriend'),  ↗

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('asimpleusername')
199
200 INSERT INTO Video (VideoName, VideoLength_seconds, CreatorID, PublicationDate)
201 VALUES ('My Favorite Video Camera', '531', (SELECT CreatorID FROM Creator WHERE
CreatorName = 'vidmaster'), '8/2/2017'),
202 ('Editing tools you should use', '461', (SELECT CreatorID FROM Creator WHERE
CreatorName = 'vidmaster'), '12/15/2016'),
203 ('Which video platform is the best?', '543', (SELECT CreatorID FROM Creator
WHERE CreatorName = 'vidmaster'), '1/18/2019'),
204 ('Puppies running for 3 minutes', '181', (SELECT CreatorID FROM Creator WHERE
CreatorName = 'animalanimations'), '3/16/2018'),
205 ('If cats could talk to us', '345', (SELECT CreatorID FROM Creator WHERE
CreatorName = 'animalanimations'), '10/6/2017'),
206 ('Puppies running for 3 minutes', '181', (SELECT CreatorID FROM Creator WHERE
CreatorName = 'animalanimations'), '3/24/2019'),
207 ('Trending topics today', '501', (SELECT CreatorID FROM Creator WHERE
CreatorName = 'newsbites'), '3/18/2018'),
208 ('Recapping the week', '424', (SELECT CreatorID FROM Creator WHERE
CreatorName = 'newsbites'), '5/4/2019'),
209 ('Journalist shoutouts', '373', (SELECT CreatorID FROM Creator WHERE
CreatorName = 'newsbites'), '11/20/2019'),
210 ('My favorite desserts', '677', (SELECT CreatorID FROM Creator WHERE
CreatorName = 'foodqueen'), '10/3/2017'),
211 ('How to make a cake with 5 ingredients', '546', (SELECT CreatorID FROM
Creator WHERE CreatorName = 'foodqueen'), '1/16/2018'),
212 ('Checking out the newest coffee shop in the city!', '677', (SELECT CreatorID
FROM Creator WHERE CreatorName = 'foodqueen'), '6/12/2017'),
213 ('Cover of "Living on a prayer"', '352', (SELECT CreatorID FROM Creator WHERE
CreatorName = 'singmusic'), '2/13/2020'),
214 ('Cover of "Havana"', '274', (SELECT CreatorID FROM Creator WHERE CreatorName
= 'singmusic'), '12/13/2019'),
215 ('My new at-home studio', '602', (SELECT CreatorID FROM Creator WHERE
CreatorName = 'singmusic'), '1/5/2020'),
216 ('Skills to learn as a data analyst', '402', (SELECT CreatorID FROM Creator
WHERE CreatorName = 'studydata'), '2/3/2019'),
217 ('Best free online resources', '258', (SELECT CreatorID FROM Creator WHERE
CreatorName = 'studydata'), '11/13/2018'),
218 ('Which programming language should you learn?', '319', (SELECT CreatorID
FROM Creator WHERE CreatorName = 'studydata'), '11/29/2018'),
219 ('What I love about the PS5', '591', (SELECT CreatorID FROM Creator WHERE
CreatorName = 'gamegod'), '1/4/2020'),
220 ('What I do with old consoles', '428', (SELECT CreatorID FROM Creator WHERE
CreatorName = 'gamegod'), '3/20/2019'),
221 ('Playing Among Us for 8 hours straight', '729', (SELECT CreatorID FROM
Creator WHERE CreatorName = 'gamegod'), '3/3/2020'),
222 ('How Yoga Changed My Life', '491', (SELECT CreatorID FROM Creator WHERE
CreatorName = 'allmythoughts'), '5/3/2020'),
223 ('Self Care Sunday', '350', (SELECT CreatorID FROM Creator WHERE CreatorName
= 'allmythoughts'), '6/14/2020'),
224 ('Life hacks that helped me tremendously', '554', (SELECT CreatorID FROM
Creator WHERE CreatorName = 'allmythoughts'), '6/30/2020'),
225 ('Painting a landscape with watercolors', '498', (SELECT CreatorID FROM

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    Creator WHERE CreatorName = 'artful'), '5/12/2017'),
226 ('New art gallery in the city', '391', (SELECT CreatorID FROM Creator WHERE
    CreatorName = 'artful'), '7/7/2018'),
227 ('Donating art supplies', '290', (SELECT CreatorID FROM Creator WHERE
    CreatorName = 'artful'), '2/22/2019'),
228 ('Hidden gems of NYC', '426', (SELECT CreatorID FROM Creator WHERE
    CreatorName = 'cityguides'), '10/12/2019'),
229 ('Hidden gems of Charleston', '356', (SELECT CreatorID FROM Creator WHERE
    CreatorName = 'cityguides'), '1/14/2020'),
230 ('Best new rooftop lounge in Miami', '259', (SELECT CreatorID FROM Creator
    WHERE CreatorName = 'cityguides'), '8/25/2019')
231
232 INSERT INTO Hashtag (VideoID, TagName)
233 VALUES ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'My favorite
    desserts'), 'food'),
234 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'My favorite
    desserts'), 'sweets'),
235 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'My favorite
    desserts'), 'confections'),
236 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Cover of "Living on
    a prayer"', 'music'),
237 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Cover of "Living on
    a prayer"', 'throwback'),
238 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Cover of "Living on
    a prayer"', 'classic'),
239 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Painting a landscape
    with watercolors'), 'art'),
240 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Painting a landscape
    with watercolors'), 'watercolors'),
241 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Painting a landscape
    with watercolors'), 'expression'),
242 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Puppies running for
    3 minutes'), 'cute'),
243 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Puppies running for
    3 minutes'), 'puppies'),
244 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Puppies running for
    3 minutes'), 'pets'),
245 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Trending topics
    today'), 'trending'),
246 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Trending topics
    today'), 'news'),
247 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Trending topics
    today'), 'information'),
248 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Skills to learn as a
    data analyst'), 'data'),
249 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Skills to learn as a
    data analyst'), 'information'),
250 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Skills to learn as a
    data analyst'), 'upskill'),
251 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'What I love about
    the PS5'), 'gaming'),
252 ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'What I love about

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        the PS5'), 'playstation'),
253      ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'What I love about
        the PS5'), 'gaming'),
254      ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Hidden gems of
        NYC'), 'explore'),
255      ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Hidden gems of
        NYC'), 'secrets'),
256      ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Hidden gems of
        NYC'), 'guides'),
257      ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Self Care
        Sunday'), 'pamper'),
258      ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Self Care
        Sunday'), 'health'),
259      ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'Self Care
        Sunday'), 'wellness'),
260      ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'My Favorite Video
        Camera'), 'equipment'),
261      ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'My Favorite Video
        Camera'), 'cameras'),
262      ((SELECT TOP 1 VideoID FROM Video WHERE VideoName = 'My Favorite Video
        Camera'), 'recommendations')
263 GO
264
265 -- this is a subquery that should go
266 -- in the value for hashtagID (SELECT TOP 1 HashtagID FROM Hashtag WHERE TagName
        = 'technology')
267
268 INSERT INTO [Algorithm] (HashtagID, RecommendedVideos)
269 VALUES (1, (SELECT TOP 1 HashtagID FROM Hashtag WHERE VideoID = 1))
270
271 GO
272
273 --this view returns videos that are recommended on the platform where the videos
        from this model are located
274 --dictated by the algorithm. the algorithm in this model works by detecting the
        hashtags being used
275 --on each video, which have been defined in the hashtag table
276 CREATE VIEW dbo.Recommendations
277 AS
278 SELECT Alg.RecommendedVideos
279 FROM dbo.[Algorithm] as Alg
280 JOIN dbo.[Platform] as PF ON PF.RecommendedVideos = Alg.RecommendedVideos
281 ;
282 GO
283
284 INSERT INTO [Platform] (PlatformName, RecommendedVideos)
285 VALUES ('MinuteMovies', (SELECT * FROM Recommendations))
286
287 GO
288
289 INSERT INTO UserCreator (UserID, CreatorName)
290 VALUES ((SELECT UserID FROM [User] WHERE UserName = 'gamergeek'), (SELECT

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CreatorName FROM Creator WHERE CreatorName = 'gamegod'))),
291 ((SELECT UserID FROM [User] WHERE UserName = 'gamergeek'), (SELECT
CreatorName FROM Creator WHERE CreatorName = 'newsbites')),
292 ((SELECT UserID FROM [User] WHERE UserName = 'gamergeek'), (SELECT
CreatorName FROM Creator WHERE CreatorName = 'vidmaster')),
293 ((SELECT UserID FROM [User] WHERE UserName = 'notabot22'), (SELECT
CreatorName FROM Creator WHERE CreatorName = 'allmythoughts')),
294 ((SELECT UserID FROM [User] WHERE UserName = 'notabot22'), (SELECT
CreatorName FROM Creator WHERE CreatorName = 'vidmaster')),
295 ((SELECT UserID FROM [User] WHERE UserName = 'notabot22'), (SELECT
CreatorName FROM Creator WHERE CreatorName = 'cityguides')),
296 ((SELECT UserID FROM [User] WHERE UserName = 'notabot22'), (SELECT
CreatorName FROM Creator WHERE CreatorName = 'newsbites')),
297 ((SELECT UserID FROM [User] WHERE UserName = 'doglover09'), (SELECT
CreatorName FROM Creator WHERE CreatorName = 'animalanimations')),
298 ((SELECT UserID FROM [User] WHERE UserName = 'doglover09'), (SELECT
CreatorName FROM Creator WHERE CreatorName = 'artful')),
299 ((SELECT UserID FROM [User] WHERE UserName = 'doglover09'), (SELECT
CreatorName FROM Creator WHERE CreatorName = 'singmusic')),
300 ((SELECT UserID FROM [User] WHERE UserName = 'yourfoodiefriend'), (SELECT
CreatorName FROM Creator WHERE CreatorName = 'cityguides')),
301 ((SELECT UserID FROM [User] WHERE UserName = 'yourfoodiefriend'), (SELECT
CreatorName FROM Creator WHERE CreatorName = 'foodqueen')),
302 ((SELECT UserID FROM [User] WHERE UserName = 'asimpleusername'), (SELECT
CreatorName FROM Creator WHERE CreatorName = 'foodqueen')),
303 ((SELECT UserID FROM [User] WHERE UserName = 'asimpleusername'), (SELECT
CreatorName FROM Creator WHERE CreatorName = 'newsbites')),
304 ((SELECT UserID FROM [User] WHERE UserName = 'asimpleusername'), (SELECT
CreatorName FROM Creator WHERE CreatorName = 'studydata')),
305 ((SELECT UserID FROM [User] WHERE UserName = 'asimpleusername'), (SELECT
CreatorName FROM Creator WHERE CreatorName = 'allmythoughts'))
306 GO
307
308 INSERT INTO UserVideo (UserId, VideoID)
309 VALUES ((SELECT Top 1 UserID FROM [User] WHERE UserName = 'gamergeek'), (SELECT
Top 1 VideoID FROM Video WHERE VideoName = 'What I do with old consoles')),
310 ((SELECT Top 1 UserID FROM [User] WHERE UserName = 'gamergeek'), (SELECT Top
1 VideoID FROM Video WHERE VideoName = 'Playing Among Us for 8 hours
straight')),
311 ((SELECT Top 1 UserID FROM [User] WHERE UserName = 'gamergeek'), (SELECT Top
1 VideoID FROM Video WHERE VideoName = 'What I love about the PS5')),
312 ((SELECT Top 1 UserID FROM [User] WHERE UserName = 'notabot22'), (SELECT Top
1 VideoID FROM Video WHERE VideoName = 'Editing tools you should use')),
313 ((SELECT Top 1 UserID FROM [User] WHERE UserName = 'notabot22'), (SELECT Top
1 VideoID FROM Video WHERE VideoName = 'Hidden gems of Charleston')),
314 ((SELECT Top 1 UserID FROM [User] WHERE UserName = 'notabot22'), (SELECT Top
1 VideoID FROM Video WHERE VideoName = 'How Yoga Changed My Life')),
315 ((SELECT Top 1 UserID FROM [User] WHERE UserName = 'doglover09'), (SELECT Top
1 VideoID FROM Video WHERE VideoName = 'Puppies running for 3 minutes')),
316 ((SELECT Top 1 UserID FROM [User] WHERE UserName = 'doglover09'), (SELECT Top
1 VideoID FROM Video WHERE VideoName = 'Cover of "Havana"')),
317 ((SELECT Top 1 UserID FROM [User] WHERE UserName = 'doglover09'), (SELECT Top

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1 VideoID FROM Video WHERE VideoName = 'Donating art supplies')),
318 ((SELECT Top 1 UserID FROM [User] WHERE UserName = 'yourfoodiefriend'),
      (SELECT Top 1 VideoID FROM Video WHERE VideoName = 'Checking out the newest
      coffee shop in the city!')),
319 ((SELECT Top 1 UserID FROM [User] WHERE UserName = 'yourfoodiefriend'),
      (SELECT Top 1 VideoID FROM Video WHERE VideoName = 'My favorite
      desserts')),
320 ((SELECT Top 1 UserID FROM [User] WHERE UserName = 'yourfoodiefriend'),
      (SELECT Top 1 VideoID FROM Video WHERE VideoName = 'How to make a cake with
      5 ingredients'))
321
322 GO
323
324 -- a procedure to enter a new creator into the creator table
325 CREATE PROCEDURE dbo.InsertCreator
326     @CreatorName varchar(50)
327 AS
328     INSERT dbo.Creator (CreatorName) VALUES (@CreatorName);
329     RETURN SCOPE_IDENTITY();
330 GO
331
332 -- a procedure to enter a new video into the video table
333 CREATE PROCEDURE dbo.InsertVideo
334     @VideoName varchar(50)
335 AS
336     INSERT dbo.Video (VideoName) VALUES (@VideoName);
337     RETURN SCOPE_IDENTITY();
338 GO
339
340 -- a procedure to enter a new hashtag into the hashtag table
341 CREATE PROCEDURE dbo.NewHashtag
342     @TagName varchar(50)
343 AS
344     INSERT dbo.Hashtag (Tagname) VALUES (@TagName);
345     RETURN SCOPE_IDENTITY();
346 GO
347
348 --this function will calculate the total number of minutes and seconds of content
349 --by each creator, which will be retrieved from each video
350 CREATE FUNCTION dbo.TotalMinutesByCreator (@CreatorID int)
351 RETURNS int AS
352 BEGIN
353     DECLARE @returnvalue int
354     SELECT @returnvalue = SUM(VideoLength_seconds)
355     FROM dbo.Video
356     JOIN dbo.Creator ON Creator.CreatorID = Video.CreatorID
357     WHERE Video.CreatorID = @CreatorID
358     RETURN @returnvalue
359 END
360 GO
361
362

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363 --this is a function that will identify creators as 'verified' or 'unverified'
364 --based on the number of followers they have
365 CREATE FUNCTION dbo.Verify (@ID int)
366 RETURNS varchar(30)
367 AS
368 BEGIN
369 DECLARE @verifiedstatus varchar(30)
370 SELECT @verifiedstatus = VerifiedStatus FROM Creator
371 WHERE CreatorID = @ID
372 RETURN @verifiedstatus
373 END
374 GO
375
376 --this view lists in the form of a table
377 --all the creators from highest follower count to lowest follower count
378 CREATE VIEW dbo.RankCreatorsbyFollowers
379 AS
380 SELECT Followers From dbo.Creator
381 --ORDER BY Followers DESC
382 GO
383
384
385 -- pulling results from various tables and views
386 SELECT * FROM dbo.Creator;
387
388 GO
389
390 SELECT * FROM dbo.[User];
391 GO
392
393 SELECT * FROM dbo.Video;
394
395 GO
396
397 SELECT * FROM dbo.Hashtag;
398
399 GO
400
401
402 CREATE VIEW dbo.AllUsers
403 AS
404 SELECT Creator.CreatorName
405 FROM dbo.UserCreator
406 JOIN dbo.Creator on Creator.CreatorName = UserCreator.CreatorName
407 GO
408
409 --this view will show every single video in this database that each creator created
410 CREATE VIEW dbo.VideosbyCreators
411 AS
412 SELECT Video.VideoID, Video.VideoName, Creator.CreatorID, Creator.CreatorName
413 FROM dbo.Creator
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414 FULL OUTER JOIN dbo.Video ON Video.CreatorID = Creator.CreatorID
415 ;
416
417 GO
418
419 CREATE VIEW dbo.Tags
420 AS
421 SELECT Video.VideoID, Video.VideoName FROM dbo.Video
422 LEFT JOIN dbo.Hashtag on Video.VideoID = Hashtag.VideoID
423 ;
424 GO
425
426 --this is a view for a select statement that takes the average in minutes and  ↗
    seconds
427 --of the videos from a single creator (describing a creator's video length by
428 --the video's average)
429
430 CREATE VIEW dbo.AverageVideoTime
431 AS
432 SELECT avg(VideoLength_seconds/60) as AverageVideoLength, Video.CreatorID
433 from dbo.Video
434 GROUP BY CreatorID
435 GO
436
437
```