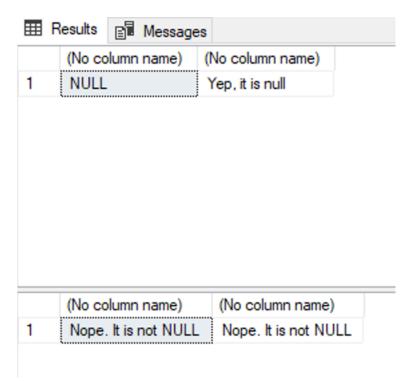
Part 1

1 - Functions



2 - In your own words - VidCast count

There must be some type of COUNT function built into the SELECT TOP statement. We set it to 10, which means the top 10 highest numbers it calculates. We are telling it what to count and where to find it by UserID on the vc_User table using the FROM statement.

3 - In your own words - Tag Lookup

It is returning the TagID surrogate key based on the tag text. Line 76 is blank because 'Tunes' isn't a tag in the tag list, so it doesn't have a key.

4 - In your own words - Most Prolific

The view is running the function created earlier and presenting the results by UserID and top 10 counts.

5 - In your own words - Change email

The procedure is setting it to where you have to have the UserName and new email address in order to update the email. You can't update an email without putting in the user name, and you can't put in just the user name without also putting in the new email. Both values have to have something inserted.

6 - In your own words - UserLoginTimestamp

The timestamp is different because it is based on the time I ran the code and created that feature.

Pfft. I have no idea. I've tried a few things but I get null results.

Part 2

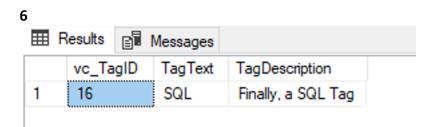


	Results 🗐 Messa	ges
	TagText	VidCasts
1	Art	256
2	Audio Recording	266
3	Baseball	242
4	Basketball	236
5	Cat Videos	0
6	Collectibles	258
7	Consoles	260
8	Fashion	240
9	Football	259
10	Games	254
11	Motors	0
12	Music	237
13	Personal	263
14	Professional	264
15	Sports - General	235

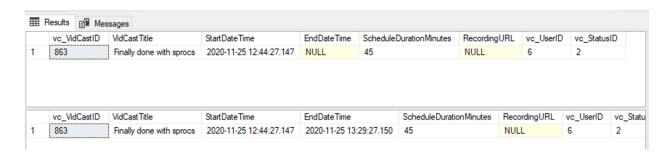
Ⅲ	Results	Messages					
	vc_UserID	UserName	EmailAddress	UserDescription	WebSiteURL	UserRegisteredDate	TotalMir
1	1	ethanol	Donec.tempus@penatibusetmagnis.co.uk	Agile development non-disclosure agreement equity	http://ethanol.vidcast659.site	2017-12-30 22:19:12.000	1859
2	2	dispatcher	quam@aptenttacitisociosqu.ca	A/B testing handshake disruptive seed money infogr	http://dispatcher.vidcast659.site	2017-12-08 03:36:00.000	1368
3	3	camel	mauris@massanon.edu	User experience founders branding entrepreneur iter	http://camel.vidcast659.site	2017-08-14 03:21:36.000	1859
4	4	infatuated	mollis@Nam.org	Lean startup launch party angel investor branding b	http://infatuated.vidcast659.site	2017-06-07 17:02:24.000	1426
5	5	hygienist	magna.Ut@necumasuscipit.ca	Business model canvas accelerator pivot network ef	http://hygienist.vidcast659.site	2017-03-17 23:16:48.000	1139
6	6	tardy	kmstudent@syr.edu	Startup leverage growth hacking bootstrapping scru	http://tardy.vidcast659.site	2017-03-12 15:36:00.000	2303
7	7	wood	turpis.egestas.Fusce@massanonante.net	Technology investor marketing alpha.	http://wood.vidcast659.site	2017-06-21 15:36:00.000	2292
8	8	mallard	vel.lectus.Cum@veliteget.edu	Assets sales success bandwidth business model ca	http://mallard.vidcast659.site	2017-09-15 19:55:12.000	1828
9	9	lifted	eu@elitsed.net	NULL	http://lifted.vidcast659.site	2017-04-15 20:24:00.000	1828
10	10	gum	ut@pharetraQuisqueac.com	Infographic incubator hypotheses client conversion	http://gum.vidcast659.site	2017-02-24 09:07:12.000	1238
11	11	doughnut	ipsum.primis@Cumsociis.com	Assets sales incubator user experience ecosystem a	http://doughnut.vidcast659.site	2017-01-31 01:12:00.000	1830
12	12	bewildered	Donec.porttitor.tellus@odioAliquamvulputate.edu	Infrastructure research & development venture burn	http://bewildered.vidcast659.site	2017-12-29 09:07:12.000	1944
13	13	albite	nisi@vitaemauris.org	Learning curve partnership buzz value proposition re	http://albite.vidcast659.site	2017-07-25 00:00:00.000	1971
14	14	groggy	omare.ln.faucibus@egestas.ca	Sales niche market user experience investor social	http://groggy.vidcast659.site	2017-04-20 09:50:24.000	2464
15	15	bicycle	Quisque.porttitor.eros@mi.net	Success network effects focus monetization iPhone	http://bicycle.vidcast659.site	2017-01-17 12:00:00.000	1152
16	16	hills	vitae.posuere.at@vestibulummassa.co.uk	Angel investor technology ramen learning curve non	NULL	2017-10-07 12:43:12.000	1240
17	17	winter	accumsan@ascelerisque.net	IPad user experience android.	NULL	2018-04-26 02:09:36.000	403
18	18	chef	ultricies.sem@estMauris.edu	Bootstrapping startup accelerator conversion.	NULL	2017-11-08 23:45:36.000	1902
19	19	untrue	Sed@musAeneaneget.ca	Release first mover advantage analytics channels v	NULL	2017-02-09 12:43:12.000	1495
20	20	ecstatic	blandit.enim.consequat@loremutaliquam.co.uk	Bandwidth series A financing niche market.	NULL	2017-11-16 00:00:00.000	2682
21	21	unfinished	faucibus@semutcursus.ca	Focus MVP infrastructure gamification channels soci	http://unfinished.vidcast659.site	2017-04-18 20:24:00.000	2262
22	22	console	tristique@justoeuarcu.com	Customer buzz strategy hackathon influencer. Laun	http://console.vidcast659.site	2017-02-15 15:50:24.000	1022
23	23	laptop	adipiscing.ligula@ullamcorpereueuismod.co.uk	Infographic business plan angel investor technology	http://laptop.vidcast659.site	2017-09-15 21:50:24.000	1758

	TagText	VidCasts
1	Audio Recording	266
2	Professional	264
3	Personal	263
4	Consoles	260
5	Football	259
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7	Art	256
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9	Baseball	242
10	Fashion	240
11	Music	237
12	Basketball	236
13	Sports - General	235
14	Motors	0
15	Cat Videos	0

Ⅲ	Results 📳 N	Messages	
	UserName	VidCastCount	TotalMinutes
1	ecstatic	22	2682
2	principle	19	3413
3	canadian	18	1928
4	metacampal	18	3053
5	przewalski	17	2664
6	silly	17	2851
7	archives	16	2374
8	doughnut	16	1830
9	groggy	16	2464
10	sines	16	2316



Honestly, I did not do this on my own. I collaborated with another student, and neither of us could figure out how to get the StatusID to update. I tried an UPDATE statement to change the StatusText to 'Finished' but just got errors. Tried changing the StatusID, that didn't work either.



```
CREATE FUNCTION dbo.vc_UserIDLookup(@userName varchar(20))
RETURNS INT AS
BEGIN
       DECLARE @returnValue int
       SELECT @returnValue = vc UserID from vc User
       WHERE UserName = @userName
      RETURN @returnValue
END
G0
SELECT 'Trying the vc_UserIDLookup function.', dbo.vc_UserIDLookup('tardy')
ALTER FUNCTION dbo.vc_TagVidCastCount(@tagText varchar(20))
RETURNS INT AS
BEGIN
      DECLARE @returnValue int
       SELECT @returnValue = COUNT(vc_TagID)
      FROM vc_VidCastTagList
       WHERE vc_TagID = @tagText
       RETURN @returnValue
END
G0
SELECT
      vc Tag.TagText
       , dbo.vc TagVidCastCount(vc Tag.vc TagID) as VidCasts
from vc Tag
CREATE FUNCTION dbo.vc VidCastDuration(@user id int)
RETURNS INT AS
BEGIN
       DECLARE @actual duration int
       SELECT @actual duration = SUM(DATEDIFF(n, startdatetime, enddatetime))
       FROM vc VidCast
              JOIN vc Status on vc Status.vc StatusID = vc VidCast.vc StatusID
       WHERE StatusText = 'Finished' AND vc UserID = @user id
      RETURN @actual_duration
END
GO
SELECT * , dbo.vc_VidCastDuration(vc_UserID) as TotalMinutes
FROM vc_User
ALTER VIEW vc_TagReport AS
      SELECT
             vc Tag.TagText
              , dbo.vc_TagVidCastCount(vc_TagID) as VidCasts
```

```
FROM vc_Tag
GO
SELECT * FROM vc TagReport ORDER BY VidCasts DESC
ALTER VIEW vc MostProlificUsers AS
      SELECT TOP 10
              , dbo.vc VidCastCount(vc UserID) as VidCastCount
              , dbo.vc_VidCastDuration(vc_UserID) as TotalMinutes
       FROM vc User
      ORDER BY VidCastCount DESC
GO
SELECT UserName, VidCastCount, TotalMinutes FROM vc MostProlificUsers
CREATE PROCEDURE vc_AddTag(@tagText varchar(20), @description varchar(100)=NULL)
AS
BEGIN
      INSERT INTO vc_Tag (TagText, TagDescription)
       VALUES (@tagText, @description)
      RETURN @@identity
END
GO
DECLARE @newTagID int
EXEC @newTagID = vc_AddTag 'SQL', 'Finally, a SQL Tag'
SELECT * FROM vc_Tag WHERE vc_TagID = @newTagID
ALTER PROCEDURE vc_FinishVidCast(@finishVC int)
AS
BEGIN
       DECLARE @vidcastID int
       SELECT @vidcastID = vc_VidCastID
       FROM vc_VidCast
              JOIN vc_status on vc_Status.vc_StatusID = vc_VidCast.vc_StatusID
       WHERE vc_vidcast.vc_StatusID = @finishVC
      UPDATE vc VidCast SET EndDateTime = GETDATE()
      RETURN @@IDENTITY
END
GO
DECLARE @newVC int
INSERT INTO vc VidCast
       (VidCastTitle, StartDateTime, ScheduleDurationMinutes, vc_UserID, vc_StatusID)
VALUES
       ('Finally done with sprocs'
       , DATEADD(n, -45, GETDATE())
```

```
, 45
, (SELECT vc_UserID FROM vc_User WHERE UserName = 'tardy')
, (SELECT vc_StatusID FROM vc_Status WHERE StatusText='Started')
)
SET @newVC = @@identity
SELECT * FROM vc_VidCast WHERE vc_VidCastID = @newVC
EXEC vc_FinishVidCast @newVC
SELECT * FROM vc_VidCast WHERE vc_VidCastID = @newVC
```