Marriah Lewis
Lab 07
March 7, 2021

select vc_User.UserName, vc_User.EmailAddress, vc_VidCast.vc_VidCastID
from vc_VidCast join vc_User on vc_User.vc_UserID= vc_VidCast.vc_UserID
order by vc_User.UserName

--Look for users who have not yet made any VidCasts
select * from vc_User where vc_UserID not in (select vc_UserID from vc_VidCast)

--Be sure to include all vc_User records
SELECT
vc_User.UserName,
vc_User.EmailAddress,
vc_VidCast.vc_VidCastID
FROM vc_VidCast
RIGHT JOIN vc_User ON vc_User.vc_UserID = vc_VidCast.vc_UserID
ORDER BY vc_User.UserName

--High-level descriptive statistics for vc_VidCast
SELECT
COUNT(vc_VidCastID) as NumberOfVidCasts,
SUM(ScheduleDurationMinutes) as TotalScheduledMinutes,
MIN(ScheduleDurationMinutes) as MinScheduledMinutes,
AVG(ScheduleDurationMinutes) as AvgScheduledMinutes,
MAX(ScheduleDurationMinutes) as MaxScheduledMinutes
FROM vc_VidCast

SELECT
vc_User.UserName,
vc_User.EmailAddress,
COUNT(vc_vidCast.vc_vidCastID) CountofVidCasts
FROM vc_VidCast
RIGHT JOIN vc_User ON vc_User.vc_UserID = vc_VidCast.vc_UserID
GROUP BY
vc_User.UserName,
vc_User.EmailAddress
ORDER BY CountofVidCasts DESC, vc_User.UserName

--Our least prolific users
SELECT
vc_User.UserName,
vc_User.EmailAddress,
COUNT(vc_vidCast.vc_VidCastID) CountofVidCasts
FROM vc_VidCast
RIGHT JOIN vc_User ON vc_User.vc_UserID = vc_VidCast.vc_UserID

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GROUP BY
vc_User.UserName,
vc_User.EmailAddress
HAVING COUNT(vc_VidCast.vc_VidCastID) < 10
ORDER BY CountofVidCasts DESC, vc_User.UserName

--Number of minutes between start and end
SELECT
vc_User.UserName,
vc_User.EmailAddress,
SUM(DateDiff(n, StartDateTime, EndDateTime)) as SumActualDurationMinutes
FROM vc_VidCast
JOIN vc_User ON vc_User.vc_UserID = vc_VidCast.vc_UserID
JOIN vc_Status ON vc_Status.vc_StatusID = vc_VidCast.vc_StatusID
WHERE vc_Status.StatusText = 'Finished'
GROUP BY
vc_User.UserName,
vc_User.EmailAddress
ORDER BY vc_User.UserName

--Part 2
SELECT
vc_User.UserName,
vc_User.EmailAddress,
SUM(DateDiff(n, StartDateTime, EndDateTime)) as SumActualDurationMinutes,
COUNT(vc_vidCast.vc_VidCastID) CountOfVidCasts,
MIN(ScheduleDurationMinutes) as MinScheduledMinutes,
AVG(ScheduleDurationMinutes) as AvgScheduledMinutes,
MAX(ScheduleDurationMinutes) as MaxScheduledMinutes
FROM vc_VidCast
JOIN vc_User ON vc_User.vc_UserID = vc_VidCast.vc_UserID
JOIN vc_Status ON vc_Status.vc_StatusID = vc_VidCast.vc_StatusID
WHERE vc_Status.StatusText = 'Finished'
GROUP BY
vc_User.UserName,
vc_User.EmailAddress
ORDER BY CountOfVidCasts DESC, vc_User.UserName