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IST-659 Week 7 Lab Assignment

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----------LAB 7----------

-----PART 1-----

SELECT

vc\_User.Username,

vc\_User.EmailAddress,

vc\_VidCast.vc\_VidCastID

FROM

vc\_VidCast

JOIN

vc\_User

ON vc\_VidCast.vc\_UserID = vc\_User.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) NumberOfVidCasts,

SUM(ScheduleDurationMinutes) TotalScheduledMinutes,

MIN(ScheduleDurationMinutes) MinScheduledMinutes,

AVG(ScheduleDurationMinutes) AvgScheduledMinutes,

MAX(ScheduleDurationMinutes) 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\_VidCast.vc\_UserID = vc\_User.vc\_UserID

ORDER BY

vc\_User.Username

SELECT

vc\_User.Username,

vc\_User.EmailAddress,

COUNT(vc\_VidCast.vc\_VidCastID) CountOfVidCasts

FROM

vc\_VidCast

RIGHT JOIN

vc\_User

ON vc\_VidCast.vc\_UserID = vc\_User.vc\_UserID

GROUP BY

vc\_User.Username,

vc\_User.EmailAddress

ORDER BY

vc\_User.Username

SELECT

vc\_User.Username,

vc\_User.EmailAddress,

COUNT(vc\_VidCast.vc\_VidCastID) CountOfVidCasts

FROM

vc\_VidCast

RIGHT JOIN

vc\_User

ON vc\_VidCast.vc\_UserID = vc\_User.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\_VidCast.vc\_UserID = vc\_User.vc\_UserID

GROUP BY

vc\_User.Username,

vc\_User.EmailAddress

HAVING

COUNT(vc\_VidCast.vc\_VidCastID) < 10

SELECT

vc\_User.Username,

vc\_User.EmailAddress,

SUM(DATEDIFF(n,StartDateTime,EndDateTime)) SumActualDurationMinutes

FROM

vc\_VidCast

JOIN

vc\_User

ON vc\_VidCast.vc\_UserID = vc\_User.vc\_UserID

JOIN

vc\_Status

ON vc\_VidCast.vc\_StatusID = vc\_Status.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)) SumActualDurationMinutes,

COUNT(vc\_VidCast.vc\_VidCastID) CountOfVidCasts,

MIN(DATEDIFF(n,StartDateTime,EndDateTime)) MinActualDurationMinutes,

AVG(DATEDIFF(n,StartDateTime,EndDateTime)) AvgActualDurationMinutes,

MAX(DATEDIFF(n,StartDateTime,EndDateTime)) MaxActualDurationMinutes

FROM

vc\_VidCast

JOIN

vc\_User

ON vc\_VidCast.vc\_UserID = vc\_User.vc\_UserID

JOIN

vc\_Status

ON vc\_VidCast.vc\_StatusID = vc\_Status.vc\_StatusID

WHERE

vc\_Status.StatusText = 'Finished'

GROUP BY

vc\_User.Username,

vc\_User.EmailAddress

ORDER BY

CountOfVidCasts DESC,

vc\_User.Username