

Nick Videtti
IST-659 Week 7 Lab Assignment

```
/*  
Author: Nick Videtti  
Course      : IST659 M407  
Term   : Spring (April - June) 2022  
*/
```

-----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