5/22/2018 Notes:

***4 Announcements:***

1. Don’t leave electronics behind or other things behind each night
2. .NET meetup tonight @ 6PM
3. Party tomorrow @ 4:30PM
4. Fill out Day 1 feedback form

***SQL Servers:***

* ***SSMS*** = SQL Server Management Studio (interacts with the SQL table to manipulate it)
* Primary key is a unique identifier (at least one column but can be more than one) when taken together makes the value of that row unique – can use integers and for the bootcamp we will always use “Id” incremented 1 integer at a time (i.e., 1,2,3,4…)
* In SQL strings are bound by single quotes
* To insert a single quote (‘) in a string you must insert two single quotes next to each other (‘’); note that this is not a quotation mark but two single quotes
* Ordering can be different in SQL if your table is in different languages
* can't have any columns in the list that do not have a correspoding "group by" when using a sum
* when grouping data you must either group by or be aggregated or errors will be returned
* "having" works just like where but is used on aggregated data

***GitHub Upload of SQL Lesson:***

|  |
| --- |
| Max-Student@Student03 MINGW64 /c/repos  $ cd sqllesson  Max-Student@Student03 MINGW64 /c/repos/sqllesson (master)  $ git status  On branch master  Your branch is up to date with 'origin/master'.  Untracked files:  (use "git add <file>..." to include in what will be committed)  SqlLesson Queries/  nothing added to commit but untracked files present (use "git add" to track)  Max-Student@Student03 MINGW64 /c/repos/sqllesson (master)  $ git remote -v  origin https://github.com/gpdoud/SqlLesson.git (fetch)  origin https://github.com/gpdoud/SqlLesson.git (push)  Max-Student@Student03 MINGW64 /c/repos/sqllesson (master)  $ git remote remove origin  Max-Student@Student03 MINGW64 /c/repos/sqllesson (master)  $ git remote -v  Max-Student@Student03 MINGW64 /c/repos/sqllesson (master)  $ git remote add origin https://github.com/michaelbuchanan23/sqllesson.git  Max-Student@Student03 MINGW64 /c/repos/sqllesson (master)  $ git remote -v  origin https://github.com/michaelbuchanan23/sqllesson.git (fetch)  origin https://github.com/michaelbuchanan23/sqllesson.git (push)  Max-Student@Student03 MINGW64 /c/repos/sqllesson (master)  $ git status  On branch master  Untracked files:  (use "git add <file>..." to include in what will be committed)  SqlLesson Queries/  nothing added to commit but untracked files present (use "git add" to track)  Max-Student@Student03 MINGW64 /c/repos/sqllesson (master)  $ git add .  Max-Student@Student03 MINGW64 /c/repos/sqllesson (master)  $ git status  On branch master  Changes to be committed:  (use "git reset HEAD <file>..." to unstage)  new file: SqlLesson Queries/Assignment(TotalByState).sql  new file: SqlLesson Queries/Average.sql  new file: SqlLesson Queries/FromJupiterToSun.sql  new file: SqlLesson Queries/JoinSelectingOnlySpecificColumns.sql  new file: SqlLesson Queries/JoinViews.sql  new file: SqlLesson Queries/Name-City-State.sql  new file: SqlLesson Queries/OuterJoinWithNullValue.sql  new file: SqlLesson Queries/SelectAll.sql  new file: SqlLesson Queries/TotalSalesByCustomer.sql  new file: SqlLesson Queries/Union.sql  Max-Student@Student03 MINGW64 /c/repos/sqllesson (master)  $ git commit -m "Updated Sql Lesson with Queries from class on 5/22/2018"  [master 41f7d08] Updated Sql Lesson with Queries from class on 5/22/2018  10 files changed, 73 insertions(+)  create mode 100644 SqlLesson Queries/Assignment(TotalByState).sql  create mode 100644 SqlLesson Queries/Average.sql  create mode 100644 SqlLesson Queries/FromJupiterToSun.sql  create mode 100644 SqlLesson Queries/JoinSelectingOnlySpecificColumns.sql  create mode 100644 SqlLesson Queries/JoinViews.sql  create mode 100644 SqlLesson Queries/Name-City-State.sql  create mode 100644 SqlLesson Queries/OuterJoinWithNullValue.sql  create mode 100644 SqlLesson Queries/SelectAll.sql  create mode 100644 SqlLesson Queries/TotalSalesByCustomer.sql  create mode 100644 SqlLesson Queries/Union.sql  Max-Student@Student03 MINGW64 /c/repos/sqllesson (master)  $ git push origin master  Counting objects: 43, done.  Delta compression using up to 4 threads.  Compressing objects: 100% (39/39), done.  Writing objects: 100% (43/43), 9.06 KiB | 927.00 KiB/s, done.  Total 43 (delta 6), reused 0 (delta 0)  remote: Resolving deltas: 100% (6/6), done.  To https://github.com/michaelbuchanan23/sqllesson.git  \* [new branch] master -> master |