

## PROJECT 1 CSE\_3330\_004

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Explain the method to load the data to the tables:

Modify the csv by removing the title of each column in Player, Game, Team, Injury Record, and remove the quote from the string and character values in all csv files.

Step 1: Use the command `‘.mode csv’`

Step 2: `‘.import Game.csv Game ‘`

Step 3: `‘.import Player.csv Player ’`

Step 4: `‘.import Team.csv Team ‘`

Step 5: `‘.import InjuryRecord.csv InjuryRecord ‘`

Step 6: (Optional) `.mode column` to modify the format of the output

### QUERY 3:

```
gdd7062@omega:~$ sqlite3 project1
SQLite version 3.3.6
Enter ".help" for instructions
sqlite> .mode column
sqlite> SELECT P.NAME, P.SALARY
...> FROM Player AS P, Team AS T
...> WHERE P.TEAM_ID = T.ID AND T.NAME = "Vegas Golden Knights";
Robin Lehner  4520890.0
Dylan Coghla  2520890.0
Tomas Jurco   11462000.0
Alex Pietran  2520890.0
Cody Glass    12500000.0
Gage Quinney  2520890.0
Max Pacioret  4520890.0
Paul Stastny  12000000.0
Daniel Carr   11000000.0
Brayden McNa  11000000.0
Alex Tuch     11462000.0
sqlite>
```

#### QUERY 4:

```
sqlite> SELECT I.INJ_DESC
...> FROM InjuryRecord AS I, Player AS P
...> WHERE I.PLAYER_ID = P.ID AND P.NAME = "Devan Dubnyk";
"MCL strains or tears"
"Ankle Sprain"
sqlite>
```

#### QUERY 5:

```
gdd7062@omega:~$ sqlite3 project1
SQLite version 3.3.6
Enter ".help" for instructions
sqlite> .mode column
sqlite> SELECT CAPTAIN, NAME
...> FROM Team
...>
Mark Stone      Vegas Golden Knights
Steven Sta     Tampa Bay Lightning
Gabriel La     Colorado Avalanche
Alexander      Washington Capitals
Aleksander     Florida Panthers
Anders Lee     New York Islanders
Ryan OReil     St. Louis Blues
Claude Gir     Philadelphia Flyers
Jonathan T     Chicago Blackhawks
Connor Mac     Calgary Flames
sqlite>
```

#### QUERY 6:

gdd7062@omega:~

```
[gdd7062@omega ~]$ sqlite3 project1
SQLite version 3.3.6
Enter ".help" for instructions
sqlite> .mode column
sqlite> SELECT T.NAME, COUNT(P.ID)
...> FROM Player AS P, Team AS T
...> WHERE P.TEAM_ID = T.ID
...> GROUP BY T.NAME
...> ORDER BY COUNT(P.TEAM_ID) DESC;
Vegas Golden Knights 11
Tampa Bay Lightning 9
New York Islanders 5
Florida Panthers 4
Chicago Blackhawks 3
Colorado Avalanche 3
Calgary Flames 2
Philadelphia Flyers 2
St. Louis Blues 2
Washington Capitals 2
sqlite>
```

## QUERY 7:

```
sqlite> .mode column
sqlite> .header on
sqlite> SELECT T.ID AS Team_ID, T.NAME AS Team_Name, COUNT(G.HOST_TEAM)
AS Total_Win
...> FROM Team AS T
...> LEFT JOIN Game AS G ON G.HOST_TEAM = T.ID AND G.H_T_SCORE > G.G
_T_SCORE
...> GROUP BY T.NAME
...> ORDER BY T.ID ASC;
Team_ID Team_Name Total_Win
-----
1 Vegas Golden Knights 2
2 Tampa Bay Lightning 4
3 Colorado Avalanche 1
4 Washington Capitals 1
5 Florida Panthers 2
6 New York Islanders 1
7 St. Louis Blues 0
8 Philadelphia Flyers 1
9 Chicago Blackhawks 1
10 Calgary Flames 1
sqlite> SELECT T.ID AS Team_ID, T.NAME AS Team_Name, COUNT(G.HOST_TEAM)
AS Total_Loss
...> FROM Team AS T
...> LEFT JOIN Game AS G ON G.HOST_TEAM = T.ID AND G.H_T_SCORE < G.G
_T_SCORE
...> GROUP BY T.NAME
...> ORDER BY T.ID ASC;
Team_ID Team_Name Total_Loss
-----
1 Vegas Golden Knights 0
2 Tampa Bay Lightning 0
3 Colorado Avalanche 1
4 Washington Capitals 1
5 Florida Panthers 0
6 New York Islanders 1
7 St. Louis Blues 1
8 Philadelphia Flyers 0
9 Chicago Blackhawks 0
10 Calgary Flames 0
sqlite>
```