-*Database Project Assignment 2: Queries in Human

-    Write a paragraph explaining what data would be collected by your database. Who owns the database? Who manages it? Who can access the data in your database?

    My database will collect many different types of data such as addresses of game shops, available work hours, information about Game masters including Name, age, store codes. It will also hold information on players such as how many games they are in, how many characters they have, and perhaps some information about their characters that their GM will be able to access. Game masters will be able to access any information about the players they are hosting games for. The database will be owned by the host company Tavern GM, and will be managed by their team of software engineers. Engineers can access all information on the database, Game masters can access information regarding their players, and the stores they work in. Players will only be able to access their games they are playing in as well as their character information.

-    Write 17 questions the business/organization might ask (in human) and then provide an SQL statement that would provide your answer.

1. How many GMs run games at the sugar grove location?
    a. Select StoreID, GMID
    b. From Store
    c. Where GMCount >= 0;
2. How many players does John run games for?
    a. Select GMID, Playercount
    b. From GameMaster
    c. Where GMID = Playercount
3. How many players are playing wizards?
    a. Select PlayerID, Playerclass
    b. From Player
    c. Where Playerclass = Wiz
4. How many GMs are available on Saturday afternoons?
    a. Select GMID, Schedule
    b. From GameMaster
    c. Where GMavail = Sat
5. What is the most amount of players in a single game?
    a. Select PlayerCount, GameID
    b. From Game,
    c. Where GameID = PlayerCount
6. What is the max amount of players Tim is willing to run a game for?
    a. Select PlayerCount, GMID, Maxplayers
    b. From GameMaster
    c. Where GMID = Maxplayers
7. How many players have characters over level 5?

       a. Select PlayerID, CharLVL

       b. From Player

       c. Where CharLVL >= 5

8. How many players are playing Barbarians?

       a. Select PlayerID, CharClass

       b. From Player

       c. Where CharClass = Barbarian

9. How many total players are signed up?

       a. Select PlayerID

       b. From Player

       c. Where Playercount

10. How many total GMs are signed up?

       a. Select GMID

       b. From GameMaster

       c. Where GMcount

11. How many locations are currently signed up for this program?

       a. Select StoreID

       b. From Store

       c. Where StoreCount

12. How many players have characters above level 10?

       a. Select PlayerID, CharLVL

       b. From character

       c. Where CharLVL >= 10

13. How many games are held on tuesdays?

       a. Select GameID, Schedule

       b. From Game

       c. Where Schedule = Tues

14. How much money does Alex's character have?

       a. Select PlayerID, CharCurrency

       b. From character

       c. Where CharCurrency = 213gp

15. What is the armor class of Stephens character?

       a. Select PlayerID, CharAC

       b. From character

       c. Where CharAC = 15

16. What is Josh's characters maximum health?

       a. Select PlayerID, CharMaxHP

       b. From character

       c. Where CharMaxHP = 54

17. What is the passive perception stat on George's character?

       a. Select PlayerID, CharPassPerc

       b. From character

       c. Where CharPassPerc = 13

- Write a paragraph explaining the business need for your partner's database.

My partner's database involved information on different superheroes and villains within the marvel universe. I am not entirely sure how our businesses are going to cooperate as far as the databases go but I could think of a few ideas. For example in case players wanted to play characters similar to or identical to heroes in my partners database they would be able to make requests for information regarding the heroes they choose. For example if a player wanted to know more about spider man they would be able to query his database for information that they might be interested in. Players could also query for information regarding a heroes power or nemesis for inspiration for their own characters.

- Include 3 questions (in human) along with the 3 SQL queries that could answer those questions.

1. Who is spidermans nemesis?
   a. Select Hero, Nemesis
   b. From Hero
   c. Where Nemesis
2. What is thors super power?
   a. Select Hero, SuperPow
   b. From Hero
   c. Where Superpow
3. .Who is ironmans nemesis?
   a. Select Hero, Nemesis
   b. From Hero
   c. Where Nemesis