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**Reasons for Database:**

For my baseball database, some of the data that will be collected are new players arriving to the team. We will also be updating data for players like their stats, if they earn a run in a game their run count will go up by one in the database. The owner of the database would be the team, you should never have an employee own a database because they could potentially run off with an important part of your company. The team will have a designated data manager who will enter the data and that employee will work with whoever needs information from the database. Only the data manager will be allowed to change the database but the general manager and key decision makers will be able to search and use the database.

**17 Questions and Query:**

1. How many players are under the age of 21?

Select pFirstName, pLastName, Position, Team

From PlayerRoster

Where pAge < 21;

1. What pitchers are right handed?

Select pFirstName, pLastName, Position, Team

From PlayerRoster

Where Position = RHP;

1. What players are batting 300 or .300 batting average?

Select pFirstName, pLastName, Position, Team, pBA

From PlayerRoster

Where pBA >= .300;

1. How many homeruns has Tommy Ball hit?

Select pFirstName, pLastName, Position, Team, pHR

From PlayerRoster

Where pFirstName = Tommy

And pLastName = Ball;

1. How much money is Joe Shields owed on his contract?

Select pFirstName, pLastName, Position, Team, pContractValue

From PlayerRoster

Where pFirstName = Joe

And pLastName = Shields;

1. On average how much money is Bobby Johnson making per year?

Select pFirstName, pLastName, Position, Team, pContractValue, pAVGPay

From PlayerRoster

Where pFirstName = Bobby

And pLastName = Johnson;

1. What is the batting lineup for the game on June 14?

Select pFirstName, pLastName, Position, Order

From BattingOrder

Where Month = June

And Day = 14

And Year = 2021;

1. Who is the starting pitcher for the game on July 6?

Select pFirstName, pLastName, Position

From Starting Lineup

Where Month = July

And Day = 6

And Year = 2021

And Role = P;

1. Who are the catchers for our Minor League affiliate, the Omaha Oats?

Select pFirstName, pLastName, Position, Team

From PlayerRoster

Where Team = Oats

And Position = C;

1. Who is the third base coach?

Select cFirstName, cLastName, cRole

From Staff

Where cRole = 3BC;

1. When is Andy Velazquez expected to be off of the Injured Reserve list?

Select pFirstName, pLastName, irTimeLeft, irReturnDate

From InjuredList

Where pFirstName = Andy

And pLastName = Velazquez;

1. How did Parker Jones get injured?

Select pFirstName, pLastName, irTimeLeft, irReturnDate, irInjury

From InjuredList

Where pFirstName = Parker

And pLastName = Jones;

1. How old is Donny Mitchell?

Select pFirstName, pLastName, Position, Team, pAge

From PlayerRoster

Where pFirstName = Donny

And pLastName = Jones;

1. How much longer on Bruce Claypool’s suspension?

Select pFirstName, pLastName, Position, susGamesRemaining

From Suspensions

Where pFirstName = Bruce

And pLastName = Claypool;

1. What did Bruce Claypool get suspended for?

Select pFirstName, pLastName, Position, susReason

From Suspensions

Where pFirstName = Bruce

And pLastName = Claypool;

1. What number is Parker Jones?

Select pFirstName, pLastName, Position, Team, pNumber

From PlayerRoster

Where pFirstName = Parker

And pLastName = Jones;

1. What position does Bruce Claypool play?

Select pFirstName, pLastName, Position

From PlayerRoster

Where pFirstName = Bruce

And pLastName = Claypool;

**Business Need For Partner’s Database:**

Joseph’s database is based on a pharmaceutical company. Pharmaceutical companies like CVS at Target or Walgreens are similar to most inventory systems in that they have product in stock and they sell it. More importantly though pharmaceutical customers have very specific needs like dosages in milligrams or if a customer has allergies the company needs to know this. Also lots of customers order the same drugs on a repetitive basis so it would be easier to store their order in a database, look it up and sell them the same order. Otherwise you would be typing up a new order every time. Any pharmacy might have thousands of customers, and the database will help keep track of all of them and their pharmaceutical needs. Also the database should be used to track drug quantities you do not want to run out of a customer's life saving drug because you have a bad inventory control system.

**3 Questions and Query for Partner:**

How many advil bottles are in stock

Select Quantity, Name

From Inventory

Where Name = Advil

What is needed to complete John Johnson’s order?

Select FirstName, LastName, Quantity, Name

From Orders

Where FirstName = John

And LastName = Johnson;

How many milligrams was Pete Davidson Diagnosed?

Select FirstName, LastName, Quantity, DrugName, Milligrams

From Orders

Where FirstName = Pete

And LastName = Davidson;