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CSC4500

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Assignment 2

Assignment 2: Queries in Human

For my recruiting database, collecting information on players is most important. Keeping track of players first and last name, contact information, and where they are from is a good start. This is basic information that needs to be kept on the players. Other information that needs to be collected is more information about the player themselves for basketball. I want to keep track of height, weight and school year as well. The players position will also be tracked to ensure the best results when it comes to finding the right players to recruit. Also, I will want to keep players stats in the database as well, such as shooting percentage and free throw percentage. This will allow the coaches to search the database for the best free throw shooters, or most consistent scorers. I would also store information such as notes as well as a True/False for if the players has committed to Kishwaukee or not. The database will also store number of contacts and if possible, days since last contact and by what coach. The database would be owned by Kishwaukee Colleges athletic department. The basketball team resides in the athletic department so it would have to be owned by them. The person who manages the database would be Kishwaukee’s IT department (if possible) or me, since I am on the coaching staff. Those that would be able to access it would just be the coaches on the coaching staff. This is another set of data that I would need to store. I need to make sure that the coach’s information is stored and used to create accounts that can then be used to log in and input data into the database.

Questions:

1. What players are going to be graduating in the year 2022?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool

From PlayerTable

Where GradYear = 2022;

1. What players are above six feet tall and weigh over 190 pounds?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool

From PlayerTable

Where PlayerHeightFeet > 6

And PlayerHeightInches > 0

And PlayerWeight > 190;

1. What players have a shooting percentage over 40%?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool

From PlayerTable

Where ShootPerc > .40;

1. What players have a free throw percentage over 65%?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool

From PlayerTable

Where FreeThrowPerc > .65;

1. What players are from Illinois?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool

From PlayerTable

Where PlayerState = Il;

1. What players are from out of state?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool

From PlayerTable

Where PlayerState != Il;

1. What players are centers that are over 6’5?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool

From PlayerTable

Where PlayerPosition = C

And PlayerHeightFeet > 6

And PlayerHeightInches > 5;

1. What players point guards with a shooting percentage over 35%?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool

From PlayerTable

Where FreeThrowPerc > .65

And PlayerPosition = PG;

1. What players have committed to Kishwaukee College?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool

From PlayerTable

Where KishCommit = True;

1. What players have a shooting guards have a shooting percentage over 45% and free throw percentage over 70%?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool

From PlayerTable

Where FreeThrowPerc > .65

And ShootingPerc > .45

And PlayerPosition = SG;

1. What players have been contacted over 3 times?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool, CoachContact

From PlayerTable

Where PlayerContact > 3;

1. What players have not been contacted in over 14 days?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool, CoachContact

From PlayerTable

Where PlayerContactDays > 14;

1. What players have been contacted by Mason Conroy (example coach)?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool, CoachContact

From PlayerTable

Where CoachContact = Mason Conroy;

1. What players do not have a phone number in the database?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool

From PlayerTable

Where PhoneNumber = null;

1. What players are from Dekalb high school (example school)?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool

From PlayerTable

Where PlayerHighSchool = Dekalb High School;

1. What players are guards and are going to be graduating in 2023?

Select FirstName, LastName, PhoneNumber, PlayerHighSchool

From PlayerTable

Where (PlayerPosition = PG) or (PlayerPosition = SG);

1. What Coaches are in the system?

Select CoachFirstName, CoachLastName

From CoachesTable;

Partner Database Project:

My partner is doing a project on a tattoo shop. This database will contain information on employees and the artists that work there. For the people in the database, information such as name, age, address, contact information as well as position is important. For the actual tattoo artist, they will have more information on them as they will have styles that they like to design in. This is good for if a customer is interested in just a particular style, they can find the artists that they want. It would also be good to have years of experience for artists.

Questions for Partners Database:

1. Who are all of the employees?

Select FirstName, LastName

From EmployeeTable;

1. What artists design in traditional?

Select ArtistFirstName, ArtistLastName, ArtistPhoneNumber, ArtistHours

From ArtistTable

Where style = traditional;

1. What artists tattoo in Japanese style and have at least 3 years of experience?

Select ArtistFirstName, ArtistLastName, ArtistPhoneNumber, ArtistHours

From ArtistTable

Where Style = Japanese

And YearsExperience >=3;