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Write an SQL Query for each of the following.

- 1.) Show the names and ID's of all players whose play position is "center".

```
SELECT P.name, P.ID  
FROM Player P  
WHERE P.PlayPos = 'center';
```

- 2.) Show the total points that player "Pistol Pete" has scored each year (assume there is only one Pistol Pete).

```
SELECT S.Year, S.TotalPoints FROM Stats S, Player P  
WHERE S.PlayerID = P.ID AND P.name = 'Pistol Pete'  
GROUP BY S.Year;
```

- 3.) Show the names and emails of every manager who has exactly 3 distinct certificates.

```
SELECT M.Name, M.Email  
FROM Manager M, ManagerCertificate MC  
WHERE M.ID = MC.ManagerID  
HAVING count(distinct MC.Certificate) = 3;
```

- 4.) Show the names of every player who has played a game at "The Pit" and won (Result = "win"), in descending order of age.

```
SELECT PL.name  
FROM player PL, game G, play P  
WHERE PL.ID = P.PlayerID  
AND G.GameID = P.GameID AND G.PlayingVenue = 'The Pit' AND G.result = 'win'  
ORDER BY PL.Birthday desc;
```

- 5.) Show emails, name of Doctors who have given exams.

```
SELECT D.name, D.email  
FROM TakeExam T, Doctor D  
WHERE T.DocEmail = D.Email;
```

- 6.) Find the games that players named "Pistol Pete" and "Lobo Louie" have played in, using set operators (UNION, INTERSECT, MINUS, etc...). Show the game's ID, game's date, venue, and result.

```

SELECT G.GameID, G.PlayingVenue, G.Result, G.Date
FROM Game G, Player P
WHERE P.Name = 'Pistol Pete'
INTERSECT
SELECT GameID, PlayingVenus, Result, Date
FROM Game G, Player P
WHERE P.Name = 'Lobo Louie';

```

- 7.) Perform the same query as problem 6, without using set operators (UNION, INTERSECT, MINUS, etc...)

```

SELECT G.GameID, G.PlayingVenue, G.Result, G.Date
FROM game G, player PL, play P
WHERE PL.ID = P.PlayerID
AND G.GameID = P.GameID AND (PL.Name = 'Lobo Louie' OR PL.Name = 'Pistol Pete')
HAVING count(*) > 1;

```

- 8.) Find the Names and IDs of players who have scored more points than the average player.

```

SELECT Name, ID
FROM Player P, Stats S
WHERE P.ID = S.PlayerID
AND S.TotalPoints > S.ASPG;

```

- 9.) Show all players that were born on the same day (I.E. If Bob and Joe were both born on 12/25/95, and Jim and Steve were both born on 7/4/94, show the names and the birthday they share).

```

SELECT PL.Name, PL.Birthday
FROM Player PL
WHERE PL.Birthday IN(
    SELECT PL2.Birthday
    FROM player PL2
    GROUP BY PL2.Birthday
    HAVING count(*) > 1 );

```

- 10.) Find the total number of points the Aggie basketball team scored in 2019.

```

SELECT sum(S.TotalPoints)
FROM Stats S
WHERE S.Year = '2019';

```