**Query 1:** Find the salary distribution by position for each team where the total salary for the position group is greater than $500,000

**Justification:** This query gives us data that can be used by the front office of the club to decipher which position groups are being paid the most money, and how much they are being paid. They can use this information to figure out which position groups they want to allocate their budget to in the future.

Execute:

> Select teamLevel, position, SUM(salary) as totalSalary

From Players, Teams

Where Players.Teams\_teamID = Teams.teamID

Group By teamLevel, position

Having SUM(salary) > 500000

+ -------------- + ------------- + ---------------- +

| teamLevel | position | totalSalary |

+ -------------- + ------------- + ---------------- +

| League 1 | Forward | 2050000 |

| League 1 | Midfielder | 520000 |

| League 1 | Defender | 510000 |

| League 2 | Forward | 1300000 |

| League 2 | Midfielder | 850000 |

| League 3 | Forward | 1450000 |

| League 3 | Midfielder | 790000 |

+ -------------- + ------------- + ---------------- +

7 rows

**Query 2:** Select all the kits for team 1

**Justification:** This query allows the club to see which kits are utilized by Team 1. This information could be used by the coaching staff to figure out which kits the team will wear for which matches.

Execute:

> Select kitName FROM Kits

Where Teams\_teamID = 1

+ ------------ +

| kitName |

+ ------------ +

| Home Kit |

| Away Kit |

| Goalkeeper Kit |

| Alternate Kit |

+ ------------ +

4 rows

**Query 3:** Find the names of players who suffered knee injuries:

**Justification:** This data could be used by the club’s training staff to see which players, and how many players, will need treatment for their knee injuries.

Execute:

> Select firstName, lastName

From Players, Injury

Where Players.PlayerID = Injury.Player\_playerID

And injuryType IN ("Knee")

+ -------------- + ------------- +

| firstName | lastName |

+ -------------- + ------------- +

| Kevin | De Bruyne |

| Harry | Kane |

+ -------------- + ------------- +

2 rows

**Query 4:** Find the names and teamID’s of team staff members that have a job title of Marketing and have last names that end in ‘n’:

**Justification:**

Execute:

> Select staffFname, staffLname, teamID

From Team\_Staff, Teams

Where Teams.teamID = Team\_Staff.Teams\_teamID

And title IN ("Marketing")

And staffLname regexp "n$"

+ --------------- + --------------- + ----------- +

| staffFname | staffLname | teamID |

+ --------------- + --------------- + ----------- +

| David | Anderson | 1 |

| Jaquelyn | Williamson | 1 |

+ --------------- + --------------- + ----------- +

2 rows

**Query 5:** Find the names and salaries of defense coaches whose salaries are greater than the average salaries of the team staff members

Execute:

> Select coachFname, coachLname, salary

From Coach

Where title regexp "Defense Coach"

And salary >

(Select AVG(salary) from Team\_Staff)

+ --------------- + --------------- + ----------- +

| coachFname | coachLname | salary |

+ --------------- + --------------- + ----------- +

| Patricia | Hernandez | 67000 |

+ --------------- + --------------- + ----------- +

1 rows

**Query 6:** Find the name and location of the stadium, as well as the date of the match, where a player suffered either an ankle or foot injury. Specify which type of injury was suffered.

**Justification:** This data will allow the club to see which fields may be more susceptible to ankle and foot injuries. This information is valuable because if there is a trend where a certain field sees more ankle and foot injuries than other fields, then they can work on improving the conditions of the pitch.

Execute:

> Select stadiumName, CONCAT(city, ", ", state) as location, matchDate, injuryType

From Stadium, Matches, Injury

Where Stadium.stadiumID = Matches.Stadium\_stadiumID

And Matches.matchID = Injury.Matches\_matchID

And injuryType regexp "Ankle|Foot"

+ ---------------- + ------------- + -------------- + --------------- +

| stadiumName | location | matchDate | injuryType |

+ ---------------- + ------------- + -------------- + --------------- +

| Puma Park | Dallas, TX | 2023-01-15 | Ankle |

| Adidas Stadium | Los Angeles, CA | 2023-01-08 | Foot |

+ ---------------- + ------------- + -------------- + --------------- +

2 rows

**Query 7:** Lists all the players in the club that are from Brazil, this is for a simple

Execute:

> Select firstName, lastName, playerID, teamID

From Players, Teams

Where Players.Teams\_teamID = Teams.teamID

And nationality REGEXP ("Brazil")

+ -------------- + ------------- + ------------- + ----------- +

| firstName | lastName | playerID | teamID |

+ -------------- + ------------- + ------------- + ----------- +

| Neymar | da Silva Santos | 3 | 1 |

| Casemiro | Santos | 14 | 2 |

| Marcelo | Vieira | 17 | 2 |

| Thiago | Silva | 18 | 2 |

+ -------------- + ------------- + ------------- + ----------- +

4 rows

**Query 8:** Upper management wants to know which position has the highest average salary

**Justification:** This data could be used by the club’s front office to see which positions they spend the majority of their budget on, so that they can focus on trying to even out the distribution of the team’s budget should they so choose.

Execute:

> Select Position, avg(salary) as Average\_Salary

From Players

Group by Position

+ ------------- + ------------------- +

| Position | Average\_Salary |

+ ------------- + ------------------- +

| Forward | 342857.14285714284 |

| Midfielder | 270000 |

| Defender | 238333.33333333334 |

| Goalkeeper | 160000 |

+ ------------- + ------------------- +

4 rows

**Query 9:** Find the result of the games that england players have head injuries that are playing forward

Execute:

> Select result, injuryType, nationality, position

from Players, Injury, Matches

Where Injury.Matches\_matchID = Matches.matchID

And Players.playerID = Injury.Player\_playerID

And nationality IN ("Italy")

And injuryType IN ("head")

And position IN ("Goalkeeper")

+ ----------- + --------------- + ---------------- + ------------- +

| result | injuryType | nationality | position |

+ ----------- + --------------- + ---------------- + ------------- +

| Loss | Head | Italy | Goalkeeper |

+ ----------- + --------------- + ---------------- + ------------- +

1 rows

**Query 10:** Find the number of players grouped by nationality who salaries are above the average salaries of players

Execute:

> Select nationality, COUNT(\*) as Number\_Of\_Players from Players

Group by nationality

+ ---------------- + ---------------------- +

| nationality | Number\_Of\_Players |

+ ---------------- + ---------------------- +

| Argentina | 1 |

| Portugal | 1 |

| Brazil | 4 |

| Belgium | 3 |

| Spain | 1 |

| France | 3 |

| Poland | 1 |

| Croatia | 1 |

| Netherlands | 2 |

| England | 3 |

| Germany | 2 |

| Italy | 1 |

| Norway | 1 |

| Senegal | 2 |

| Cuba | 1 |

| Uruguay | 1 |

| Morocco | 1 |

| USA | 1 |

| Botswana | 1 |

+ ---------------- + ---------------------- +

19 rows