

SQL Queries - Midterm Demo

Here are some example SQL queries for the midterm demo:

Which NBA players are the best shooters in the game?

```
SELECT players_table.name, teams_table.team, attributes_table.shot_3pt as 3PT
FROM (players_table NATURAL JOIN teams_table) JOIN attributes_table ON players_table.id = attributes_table.id
WHERE attributes_table.play1 LIKE "%3%PT%"
INTERSECT
SELECT players_table.name, teams_table.team, attributes_table.shot_3pt as 3PT
FROM (players_table NATURAL JOIN teams_table) JOIN attributes_table ON players_table.id = attributes_table.id
WHERE attributes_table.shot_3pt >= 80 AND attributes_table.shot_mid >= 85
ORDER BY 3PT DESC
```

What is the average height of all NBA teams in the NBA2K database for the Power Forward and Center positions?

```
SELECT players_table.position as Position, teams_table.team as TeamName, AVG(players_table.height) as avg_height
FROM players_table NATURAL JOIN teams_table
WHERE players_table.position = 'C'
GROUP BY TeamName
UNION
SELECT players_table.position as Position, teams_table.team as TeamName, AVG(players_table.height) as avg_height
FROM players_table NATURAL JOIN teams_table
WHERE players_table.position = 'PF'
GROUP BY TeamName
ORDER BY TeamName, Position, avg_height DESC
```