

# CSC 675 - Introduction to Database Systems

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## Course Project Report - Phase 2

Team members: Khanh Nguyen, John Lazzarini, Jirat Parkeenvincha, Anita Zhen

## Overview

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- Our database describes a very high-level network of relationships between the most outwardly-visible components of an NBA franchise. Generally speaking, all NBA franchises maintain the same relationships with the same entities that are described in our diagram -- a mascot (or at minimum, a logo), contracted players, and hired coaches who coach the players. The required data can be accessed from publicly available franchise information maintained by all NBA franchises. A currently maintained list of players and coaches can be found on franchise websites, and a list of franchise mascots is available at the following link: [https://en.wikipedia.org/wiki/List\\_of\\_National\\_Basketball\\_Association\\_mascots](https://en.wikipedia.org/wiki/List_of_National_Basketball_Association_mascots)

## Setup (in terminal)

---

1. Make sure to have MySQL installed:

```
$ mysql --version
```

2. Start MySQL:

```
$ mysql.server start
```

3. Run MySQL:

```
$ mysql -u root -p
```

4. Terminal should look like this:

```
$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 4
Server version: 5.7.20 Homebrew

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```

```
reserved.
```

```
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owners.
```

```
Type 'help;' or '\h' for help. Type '\c' to clear the current input  
statement.
```

```
mysql>
```

5. To exit:

```
mysql> exit
```

6. In mysql, create new database called "csc675project" or use existing one:

```
mysql> CREATE DATABASE csc675project;  
Query OK, 1 row affected (0.02 sec)
```

7. Use the "csc675project" database:

```
mysql> USE csc675project;  
Database changed
```

8. Next time when you run MySQL again and want to use this database:

```
$ mysql -u root -p csc675project
```

## Requirements

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### Task 1 - Create Tables, indexes and constraints

- At least 2 indexes (hash-based or tree-based)

### Task 2 - Collect and import data

- You can collect data manually or import data from any available online data repository.

### Task 3 - Write SQL Queries

- At least 2 queries involving GROUP BY, HAVING, and aggregate operators

- At least 2 nested queries involving IN, EXIST, op ANY, op ALL...

## Task 4 - Final Report

- All CREATE TABLE, INDEX, VIEW statements, as well as SELECT queries.
- The snapshot of the results of your SELECT queries. If the results of your select queries are large just include part of the results.

# Queries

---

## CREATE TABLE + FOREIGN KEY CONSTRAINTS

### 1. Teams

```
CREATE TABLE IF NOT EXISTS teams
(
    id INTEGER NOT NULL AUTO_INCREMENT,
    team_name VARCHAR(255) NOT NULL,
    number_of_players INTEGER,
    origin VARCHAR(255),
    year_established INT(4),
    owner VARCHAR(255),
    home_stadium VARCHAR(255),
    PRIMARY KEY (id),
    UNIQUE (id, team_name)
);
```

### 2. Players

```
CREATE TABLE IF NOT EXISTS players
(
    id INTEGER NOT NULL AUTO_INCREMENT,
    player_name VARCHAR(255) NOT NULL,
    age INT(2),
    team_name VARCHAR(255),
    jersey_number INT(2),
    position VARCHAR(255),
    years_pro INT(2),
    PRIMARY KEY (id)
);
```

### 3. Coaches

```
CREATE TABLE IF NOT EXISTS coaches
(
    id INTEGER NOT NULL AUTO_INCREMENT,
```

```
coach_name VARCHAR(255) NOT NULL,  
age INT(2),  
team_name VARCHAR(255),  
years_in_team INT(2),  
PRIMARY KEY (id)  
);
```

#### 4. Mascots

```
CREATE TABLE IF NOT EXISTS mascots  
(  
  id INTEGER NOT NULL AUTO_INCREMENT,  
  mascot_name VARCHAR(255) NOT NULL,  
  team_name VARCHAR(255),  
  costume VARCHAR(255),  
  PRIMARY KEY (id)  
);
```

#### 5. Trains

```
CREATE TABLE IF NOT EXISTS trains  
(  
  id INTEGER NOT NULL AUTO_INCREMENT,  
  coach_id INTEGER NOT NULL,  
  player_id INTEGER NOT NULL,  
  PRIMARY KEY (id),  
  FOREIGN KEY (coach_id)  
    REFERENCES coaches(id),  
  FOREIGN KEY (player_id)  
    REFERENCES players(id)  
);
```

#### 6. Represents

```
CREATE TABLE IF NOT EXISTS represents  
(  
  id INTEGER NOT NULL AUTO_INCREMENT,  
  mascot_id INTEGER NOT NULL,  
  team_id INTEGER NOT NULL,  
  PRIMARY KEY (id),  
  FOREIGN KEY (mascot_id)  
    REFERENCES mascots(id),  
  FOREIGN KEY (team_id)  
    REFERENCES teams(id)  
);
```

## 7. Has

```
CREATE TABLE IF NOT EXISTS has
(
  id INTEGER NOT NULL AUTO_INCREMENT,
  team_id INTEGER NOT NULL,
  coach_id INTEGER NOT NULL,
  PRIMARY KEY (id),
  FOREIGN KEY (team_id)
    REFERENCES teams(id),
  FOREIGN KEY (coach_id)
    REFERENCES coaches(id)
);
```

## 8. Contracts

```
CREATE TABLE IF NOT EXISTS contracts
(
  id INTEGER NOT NULL AUTO_INCREMENT,
  team_id INTEGER NOT NULL,
  player_id INTEGER NOT NULL,
  PRIMARY KEY (id),
  FOREIGN KEY (team_id)
    REFERENCES teams(id),
  FOREIGN KEY (player_id)
    REFERENCES players(id)
);
```

## CREATE INDEX (BTREE)

### 1. Players

```
CREATE INDEX index_name_age
ON players (player_name, age);
```

```
CREATE INDEX index_name_jersey
ON players (player_name, jersey_number);
```

### 2. Coaches

```
CREATE INDEX index_cname_tname
ON coaches (coach_name, team_name);
```

# INSERT INTO

## 1. Teams

```
INSERT INTO teams
  (id, team_name, number_of_players, origin, year_established, owner,
  home_stadium)
VALUES
  (1, 'Golden State Warriors', 16, 'Philadelphia', 1946, 'Joe Lacob',
  'Oracle Arena'),
  (2, 'Chicago Bulls', 18, 'Chicago', 1966, 'Jerry Reinsdorf', 'United
  Center');
```

## 2. Coaches

```
INSERT INTO coaches
  (id, coach_name, age, team_name, years_in_team)
VALUES
  (1, 'Steve Kerr', 52, 'Golden State Warriors', 4),
  (2, 'Fred Hoiberg', 45, 'Chicago Bulls', 8);
```

## 3. Mascots

```
INSERT INTO mascots
  (id, mascot_name, team_name, costume)
VALUES
  (1, 'Thunder', 'Golden State Warriors', 'Blue Jumpsuit'),
  (2, 'Benny the Bull', 'Chicago Bulls', 'Chicago Bulls Uniform, no. 1');
```

## 4. Players

Abbreviation of positions:

- PG: Point Guard
- SG: Shooting Guard
- SF: Small Forward
- PF: Power Forward
- C: Center

```
INSERT INTO players
  (id, player_name, age, team_name, jersey_number, position, years_pro)
VALUES
  (1, 'Klay Thompson', 27, 'Golden State Warriors', 11, 'SG', 8),
  (2, 'Kevin Durant', 29, 'Golden State Warriors', 35, 'PF', 6),
```

```
(3, 'Draymond Green', 27, 'Golden State Warriors', 23, 'PF', 5),
(4, 'Stephen Curry', 29, 'Golden State Warriors', 30, 'PG', 8),
(5, 'Andre Iguodala', 34, 'Golden State Warriors', 9, 'SF', 13),
(6, 'Quinn Cook', 24, 'Golden State Warriors', 4, 'PG', 1),
(7, 'Nick Young', 32, 'Golden State Warriors', 6, 'SG', 10),
(8, 'Patrick McCaw', 22, 'Golden State Warriors', 0, 'SG', 1),
(9, 'Shaun Livingston', 32, 'Golden State Warriors', 34, 'PG', 12),
(10, 'Jordan Bell', 23, 'Golden State Warriors', 2, 'C', 0),
(11, 'Zaza Pachulia', 33, 'Golden State Warriors', 27, 'C', 14),
(12, 'Kevon Looney', 21, 'Golden State Warriors', 5, 'C', 2),
(13, 'David West', 37, 'Golden State Warriors', 3, 'C', 14),
(14, 'JaVale McGee', 30, 'Golden State Warriors', 1, 'C', 9),
(15, 'Damian Jones', 22, 'Golden State Warriors', 15, 'C', 1),
(16, 'Chris Boucher', 25, 'Golden State Warriors', 25, 'PF', 0),
(17, 'Ryan Arcidiacono', 24, 'Chicago Bulls', 15, 'PG', 0),
(18, 'Omer Asik', 31, 'Chicago Bulls', 3, 'C', 7),
(19, 'Antonio Blakeney', 21, 'Chicago Bulls', 9, 'SG', 0),
(20, 'Kris Dunn', 24, 'Chicago Bulls', 32, 'PG', 1),
(21, 'Jarell Eddie', 26, 'Chicago Bulls', 31, 'SG', 2),
(22, 'Cristiano Felicio', 25, 'Chicago Bulls', 6, 'C', 2),
(23, 'Jerian Grant', 25, 'Chicago Bulls', 2, 'PG', 2),
(24, 'Justin Holiday', 29, 'Chicago Bulls', 7, 'SG', 4),
(25, 'Sean Kilpatrick', 28, 'Chicago Bulls', 0, 'SG', 3),
(26, 'Zach LaVine', 23, 'Chicago Bulls', 8, 'PG', 3),
(27, 'Robin Lopez', 30, 'Chicago Bulls', 42, 'C', 9),
(28, 'Lauri Markkanen', 20, 'Chicago Bulls', 24, 'PF', 0),
(29, 'David Nwaba', 25, 'Chicago Bulls', 11, 'SF', 1),
(30, 'Cameron Payne', 23, 'Chicago Bulls', 22, 'PG', 2),
(31, 'Bobby Portis', 23, 'Chicago Bulls', 5, 'PF', 2),
(32, 'Denzel Valentine', 24, 'Chicago Bulls', 45, 'SF', 1),
(33, 'Noah Vonleh', 22, 'Chicago Bulls', 30, 'PF', 3),
(34, 'Paul Zipser', 24, 'Chicago Bulls', 16, 'SF', 1);
```

## 5. Trains

```
INSERT INTO trains
(id, coach_id, player_id)
VALUES
(1, 1, 1),
(2, 1, 2),
(3, 1, 3),
(4, 1, 4),
(5, 1, 5),
(6, 1, 6),
(7, 1, 7),
(8, 1, 8),
(9, 1, 9),
(10, 1, 10),
(11, 1, 11),
(12, 1, 12),
(13, 1, 13),
```

```
(14, 1, 14),  
(15, 1, 15),  
(16, 1, 16),  
(17, 2, 17),  
(18, 2, 18),  
(19, 2, 19),  
(20, 2, 20),  
(21, 2, 21),  
(22, 2, 22),  
(23, 2, 23),  
(24, 2, 24),  
(25, 2, 25),  
(26, 2, 26),  
(27, 2, 27),  
(28, 2, 28),  
(29, 2, 29),  
(30, 2, 30),  
(31, 2, 31),  
(32, 2, 32),  
(33, 2, 33),  
(34, 2, 34);
```

## 6. Represents

```
INSERT INTO represents  
  (id, mascot_id, team_id)  
VALUES  
  (1, 1, 1),  
  (2, 2, 2);
```

## 7. Has

```
INSERT INTO has  
  (id, team_id, coach_id)  
VALUES  
  (1, 1, 1),  
  (2, 2, 2);
```

## 8. Contracts

```
INSERT INTO contracts  
  (id, team_id, player_id)  
VALUES  
  (1, 1, 1),  
  (2, 1, 2),  
  (3, 1, 3),
```



```
(4, 1, 4),  
(5, 1, 5),  
(6, 1, 6),  
(7, 1, 7),  
(8, 1, 8),  
(9, 1, 9),  
(10, 1, 10),  
(11, 1, 11),  
(12, 1, 12),  
(13, 1, 13),  
(14, 1, 14),  
(15, 1, 15),  
(16, 1, 16),  
(17, 2, 17),  
(18, 2, 18),  
(19, 2, 19),  
(20, 2, 20),  
(21, 2, 21),  
(22, 2, 22),  
(23, 2, 23),  
(24, 2, 24),  
(25, 2, 25),  
(26, 2, 26),  
(27, 2, 27),  
(28, 2, 28),  
(29, 2, 29),  
(30, 2, 30),  
(31, 2, 31),  
(32, 2, 32),  
(33, 2, 33),  
(34, 2, 34);
```

## CREATE VIEW

1.

```
CREATE VIEW view_coaches_in_teams AS  
SELECT coach_name, team_name  
FROM coaches  
WHERE coaches.years_in_team > 2;  
  
SELECT * FROM view_coaches_in_teams;
```

```

1 • CREATE VIEW view_coaches_in_teams AS
2   SELECT coach_name, team_name
3   FROM coaches
4   WHERE coaches.years_in_team > 2;
5
6 • SELECT * FROM view_coaches_in_teams;

```

200% 37:6

Result Grid Filter Rows: Search Export:

coach_name	team_name
Steve Kerr	Golden State Warriors
Fred Hoiberg	Chicago Bulls

2.

```

CREATE VIEW view_players_in_teams AS
  SELECT p.player_name, p.team_name, p.years_pro
  FROM players p
  WHERE p.years_pro >= 2 AND p.years_pro < 5;

SELECT * FROM view_players_in_teams;

```

```

1 • CREATE VIEW view_players_in_teams AS
2   SELECT p.player_name, p.team_name, p.years_pro
3   FROM players p
4   WHERE p.years_pro >= 2 AND p.years_pro < 5;
5
6 • SELECT * FROM view_players_in_teams;

```

37:6

Result Grid Filter Rows: Search Export:

player_name	team_name	years_pro
Kevon Looney	Golden State Warriors	2
Jarell Eddie	Chicago Bulls	2
Cristiano Felicio	Chicago Bulls	2
Jerian Grant	Chicago Bulls	2
Justin Holiday	Chicago Bulls	4
Sean Kilpatrick	Chicago Bulls	3
Zach LaVine	Chicago Bulls	3
Cameron Payne	Chicago Bulls	2
Bobby Portis	Chicago Bulls	2
Noah Vonleh	Chicago Bulls	3

## SELECT QUERIES

### SELECT ALL

1. Teams

```
SELECT * FROM teams;
```

1 • SELECT \* FROM teams;

Result Grid 21:1 Filter Rows: Search Edit: Export/Import:						
id	team_name	number_of_players	origin	year_established	owner	home_stadium
1	Golden State Warriors	16	Philadelphia	1946	Joe Lacob	Oracle Arena
2	Chicago Bulls	18	Chicago	1966	Jerry Reinsdorf	United Center
NULL	NULL	NULL	NULL	NULL	NULL	NULL

2. Players

```
SELECT * FROM players;
```

1 • **SELECT \* FROM players;**

2

160% 23:1

**Result Grid** Filter Rows: Search Edit: Export/Import:

id	player_name	age	team_name	jersey_number	position	years_pro
1	Klay Thompson	27	Golden State Warriors	11	SG	8
2	Kevin Durant	29	Golden State Warriors	35	PF	6
3	Draymond Green	27	Golden State Warriors	23	PF	5
4	Stephen Curry	29	Golden State Warriors	30	PG	8
5	Andre Iguodala	34	Golden State Warriors	9	SF	13
6	Quinn Cook	24	Golden State Warriors	4	PG	1
7	Nick Young	32	Golden State Warriors	6	SG	10
8	Patrick McCaw	22	Golden State Warriors	0	SG	1
9	Shaun Livingston	32	Golden State Warriors	34	PG	12
10	Jordan Bell	23	Golden State Warriors	2	C	0
11	Zaza Pachulia	33	Golden State Warriors	27	C	14
12	Kevon Looney	21	Golden State Warriors	5	C	2
13	David West	37	Golden State Warriors	3	C	14
14	JaVale McGee	30	Golden State Warriors	1	C	9
15	Damian Jones	22	Golden State Warriors	15	C	1
16	Chris Boucher	25	Golden State Warriors	25	PF	0
17	Ryan Arcidiacono	24	Chicago Bulls	15	PG	0
18	Omer Asik	31	Chicago Bulls	3	C	7
19	Antonio Blakeney	21	Chicago Bulls	9	SG	0
20	Kris Dunn	24	Chicago Bulls	32	PG	1
21	Jarell Eddie	26	Chicago Bulls	31	SG	2
22	Cristiano Felicio	25	Chicago Bulls	6	C	2
23	Jerian Grant	25	Chicago Bulls	2	PG	2
24	Justin Holiday	29	Chicago Bulls	7	SG	4
25	Sean Kilpatrick	28	Chicago Bulls	0	SG	3
26	Zach LaVine	23	Chicago Bulls	8	PG	3
27	Robin Lopez	30	Chicago Bulls	42	C	9
28	Lauri Markkanen	20	Chicago Bulls	24	PF	0
29	David Nwaba	25	Chicago Bulls	11	SF	1
30	Cameron Payne	23	Chicago Bulls	22	PG	2
31	Bobby Portis	23	Chicago Bulls	5	PF	2
32	Denzel Valentine	24	Chicago Bulls	45	SF	1
33	Noah Vonleh	22	Chicago Bulls	30	PF	3
34	Paul Zipser	24	Chicago Bulls	16	SF	1
NULL	NULL	NULL	NULL	NULL	NULL	NULL

### 3. Coaches

```
SELECT * FROM coaches;
```

1. `SELECT * FROM coaches;`

200% 23:1

Result Grid Filter Rows: Search Edit: Export/Import:

id	coach_name	age	team_name	years_in_team
1	Steve Kerr	52	Golden State Warriors	4
2	Fred Hoiberg	45	Chicago Bulls	8
NULL	NULL	NULL	NULL	NULL

#### 4. Mascots

```
SELECT * FROM mascots;
```

1. `SELECT * FROM mascots;`

23:1

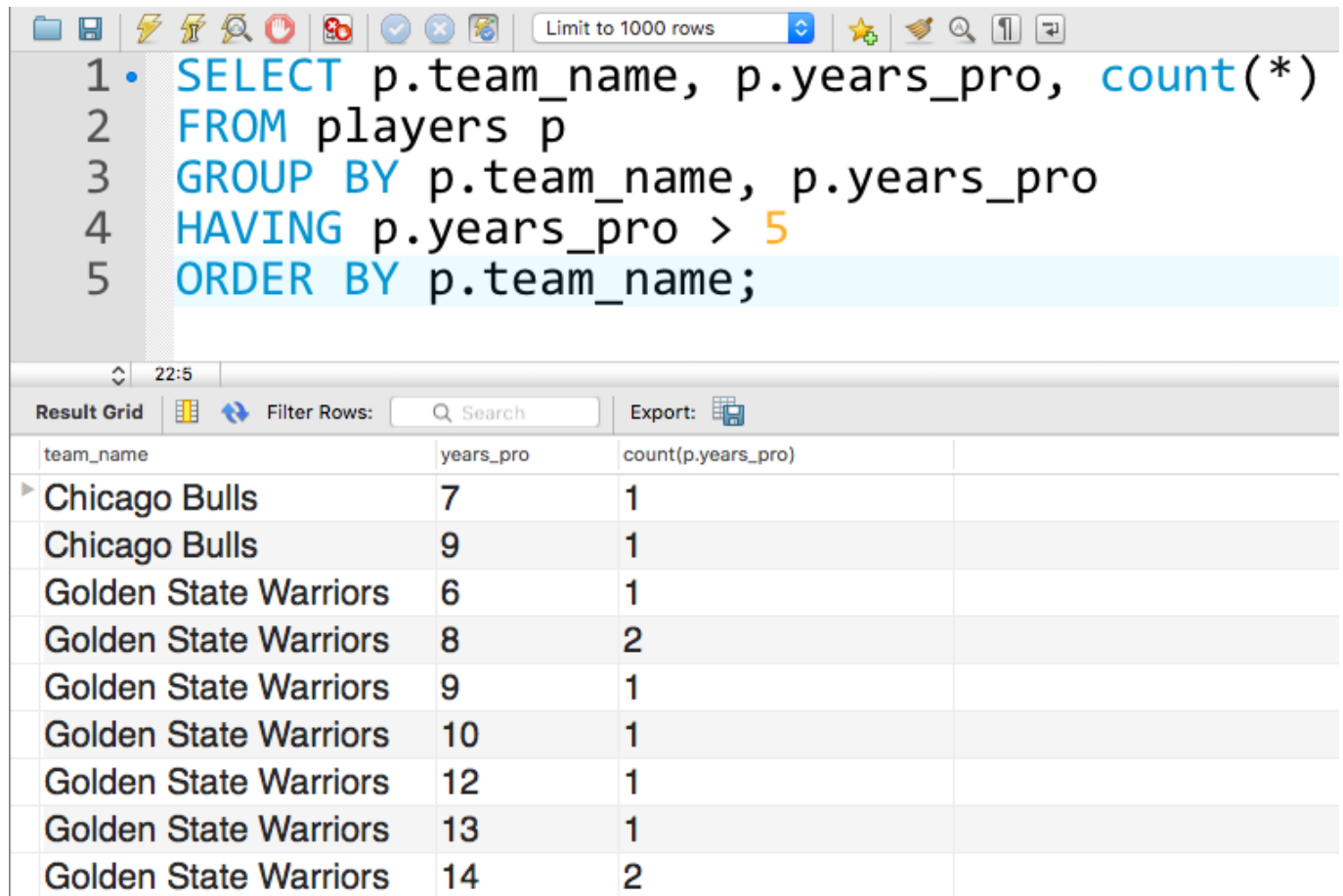
Result Grid Filter Rows: Search Edit: Export/Import:

id	mascot_name	team_name	costume
1	Thunder	Golden State Warriors	Blue Jumpsuit
2	Benny the Bull	Chicago Bulls	Chicago Bulls Uniform, no. 1
NULL	NULL	NULL	NULL

GROUP BY, HAVING, aggregate operators

1. Find how many players have years of experience greater than 5 in each team

```
SELECT p.team_name, p.years_pro, count(*)
FROM players p
GROUP BY p.team_name, p.years_pro
HAVING p.years_pro > 5
ORDER BY p.team_name;
```



The screenshot shows a SQL IDE interface. At the top, there's a toolbar with various icons and a dropdown menu set to 'Limit to 1000 rows'. Below the toolbar, a SQL query is entered in a text area:

```
1 • SELECT p.team_name, p.years_pro, count(*)
2 FROM players p
3 GROUP BY p.team_name, p.years_pro
4 HAVING p.years_pro > 5
5 ORDER BY p.team_name;
```

Below the query editor, there's a 'Result Grid' section. It includes a 'Filter Rows' button, a search bar, and an 'Export' button. The results are displayed in a table with the following columns: 'team\_name', 'years\_pro', and 'count(p.years\_pro)'.

team_name	years_pro	count(p.years_pro)
Chicago Bulls	7	1
Chicago Bulls	9	1
Golden State Warriors	6	1
Golden State Warriors	8	2
Golden State Warriors	9	1
Golden State Warriors	10	1
Golden State Warriors	12	1
Golden State Warriors	13	1
Golden State Warriors	14	2

2. Find names of players with age  $\geq 30$

```
SELECT p.player_name, p.age
FROM players p
HAVING p.age >= 30;
```

```

1 • SELECT p.player_name, p.age
2   FROM players as p
3  HAVING p.age >= 30;

```

20:3		Result Grid		Filter Rows: <input type="text" value="Search"/>	Export:
player_name	age				
Andre Iguodala	34				
David West	37				
JaVale McGee	30				
Nick Young	32				
Omer Asik	31				
Robin Lopez	30				
Shaun Livingston	32				
Zaza Pachulia	33				

IN, EXIST, op ANY, op ALL (nested queries)

1. IN - Find players whose position is PG in Golden State Warriors team

```

SELECT *
FROM players p
WHERE p.position = 'PG'
      AND p.team_name IN (SELECT t.team_name
                          FROM teams t
                          WHERE t.team_name = 'Golden State Warriors');

```

```

1 • SELECT *
2   FROM players p
3  WHERE p.position = 'PG'
4     AND p.team_name IN (SELECT t.team_name
5                       FROM teams t
6                      WHERE t.team_name = 'Golden State Warriors');

```

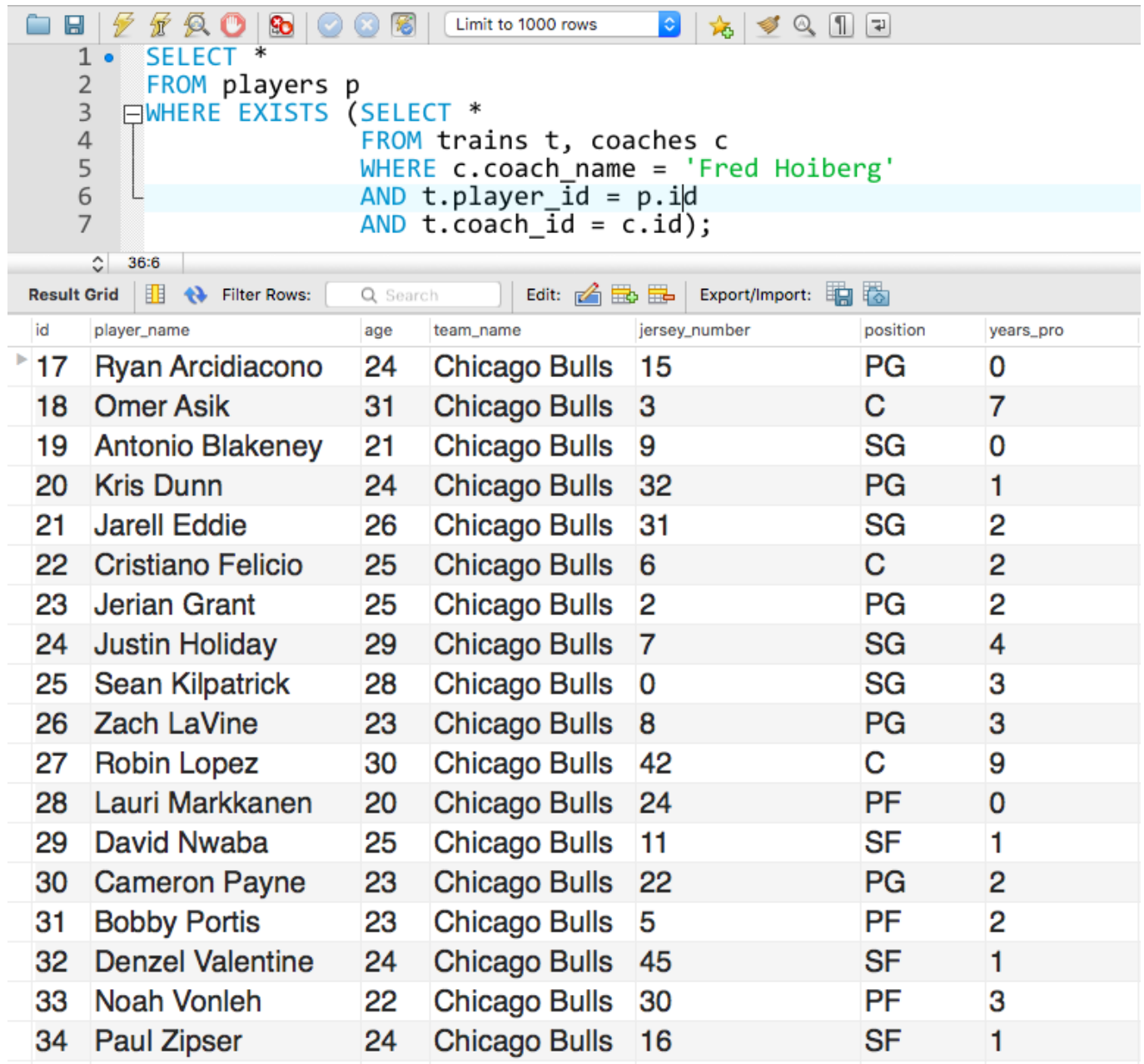
64:6		Result Grid		Filter Rows: <input type="text" value="Search"/>	Edit:	Export/Import:
id	player_name	age	team_name	jersey_number	position	years_pro
4	Stephen Curry	29	Golden State Warriors	30	PG	8
6	Quinn Cook	24	Golden State Warriors	4	PG	1
9	Shaun Livingston	32	Golden State Warriors	34	PG	12
NULL	NULL	NULL	NULL	NULL	NULL	NULL

2. EXISTS - Find the players that are trained by Fred Hoiberg

```

SELECT *
FROM players p
WHERE EXISTS (SELECT *
              FROM trains t, coaches c
              WHERE c.coach_name = 'Fred Hoiberg'
              AND t.player_id = p.id
              AND t.coach_id = c.id);

```



The screenshot shows a SQL IDE interface. The top toolbar includes icons for file operations, execution, and search, along with a 'Limit to 1000 rows' dropdown. The SQL editor displays the query from the previous block. Below the editor, the 'Result Grid' tab is active, showing a table of 34 rows. The table has columns: id, player\_name, age, team\_name, jersey\_number, position, and years\_pro. All players listed are from the 'Chicago Bulls' team.

id	player_name	age	team_name	jersey_number	position	years_pro
17	Ryan Arcidiacono	24	Chicago Bulls	15	PG	0
18	Omer Asik	31	Chicago Bulls	3	C	7
19	Antonio Blakeney	21	Chicago Bulls	9	SG	0
20	Kris Dunn	24	Chicago Bulls	32	PG	1
21	Jarell Eddie	26	Chicago Bulls	31	SG	2
22	Cristiano Felicio	25	Chicago Bulls	6	C	2
23	Jerian Grant	25	Chicago Bulls	2	PG	2
24	Justin Holiday	29	Chicago Bulls	7	SG	4
25	Sean Kilpatrick	28	Chicago Bulls	0	SG	3
26	Zach LaVine	23	Chicago Bulls	8	PG	3
27	Robin Lopez	30	Chicago Bulls	42	C	9
28	Lauri Markkanen	20	Chicago Bulls	24	PF	0
29	David Nwaba	25	Chicago Bulls	11	SF	1
30	Cameron Payne	23	Chicago Bulls	22	PG	2
31	Bobby Portis	23	Chicago Bulls	5	PF	2
32	Denzel Valentine	24	Chicago Bulls	45	SF	1
33	Noah Vonleh	22	Chicago Bulls	30	PF	3
34	Paul Zipser	24	Chicago Bulls	16	SF	1

3. ANY - Find all players in Chicago Bulls whose age is greater than any players whose age is greater than 25 in team Golden State Warriors

```

SELECT *
FROM players p
WHERE p.team_name = 'Chicago Bulls'
AND p.age > ANY (SELECT p2.age

```



```

        FROM players p2
        WHERE p2.age > 25 AND p2.team_name = 'Golden State
Warriors');

```

```

1 • SELECT *
2   FROM players p
3   WHERE p.team_name = 'Chicago Bulls'
4     AND p.age > ANY (SELECT p2.age
5                      FROM players p2
6                      WHERE p2.age > 25 AND p2.team_name = 'Golden State Warriors');

```

id	player_name	age	team_name	jersey_number	position	years_pro
18	Omer Asik	31	Chicago Bulls	3	C	7
24	Justin Holiday	29	Chicago Bulls	7	SG	4
25	Sean Kilpatrick	28	Chicago Bulls	0	SG	3
27	Robin Lopez	30	Chicago Bulls	42	C	9
NULL	NULL	NULL	NULL	NULL	NULL	NULL

4. ALL - Find the player and their team name with the highest number of years pro

```

SELECT p.player_name, p.team_name, p.years_pro
FROM players p
WHERE p.years_pro >= ALL (SELECT p2.years_pro
                          FROM players p2);

```

```

1 • SELECT p.player_name, p.team_name, p.years_pro
2   FROM players p
3   WHERE p.years_pro >= ALL (SELECT p2.years_pro
4                             FROM players p2);

```

player_name	team_name	years_pro
Zaza Pachulia	Golden State Warriors	14
David West	Golden State Warriors	14