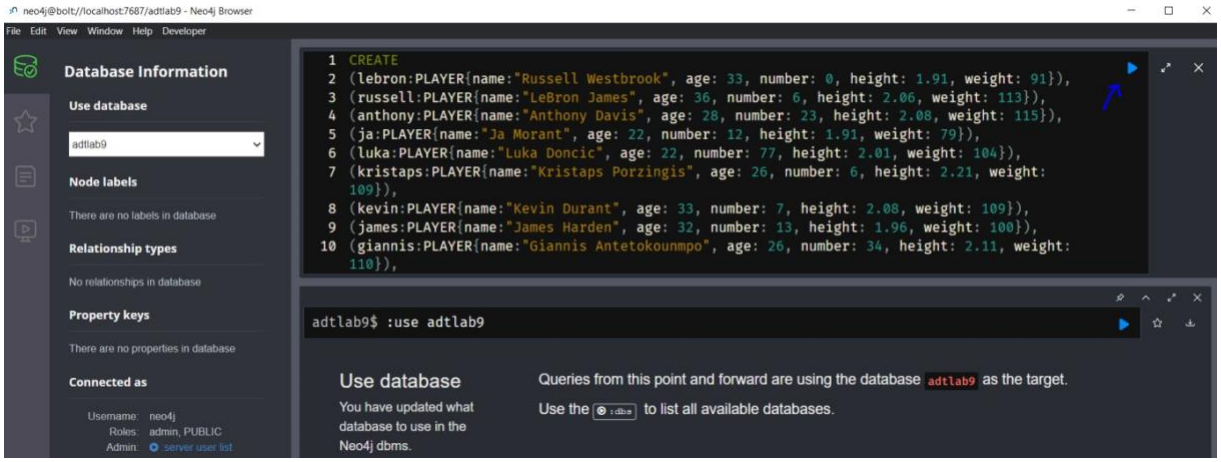
1. Copy the contents of basketball.txt and paste in the cell. Then run it



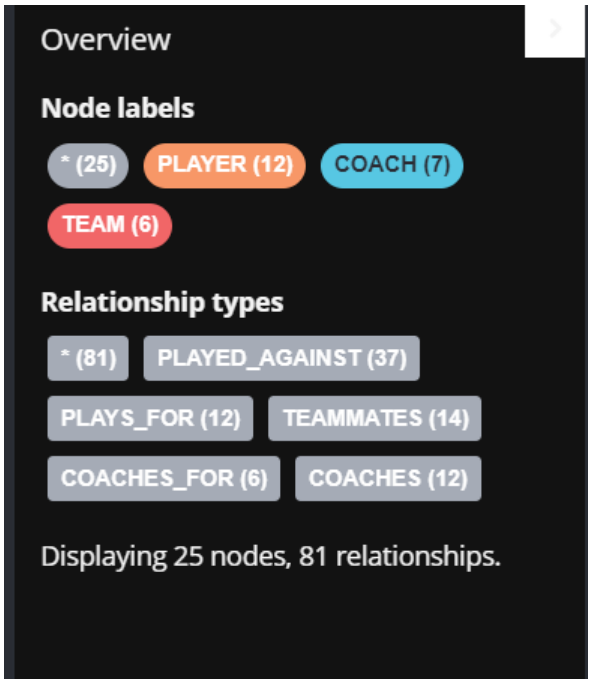
2. To see if the data has been loaded correctly run the below query

Example Queries-

MATCH (n) RETURN n

Expected output-

If you see to the right, it shows all the newly created nodes and their relationship types.

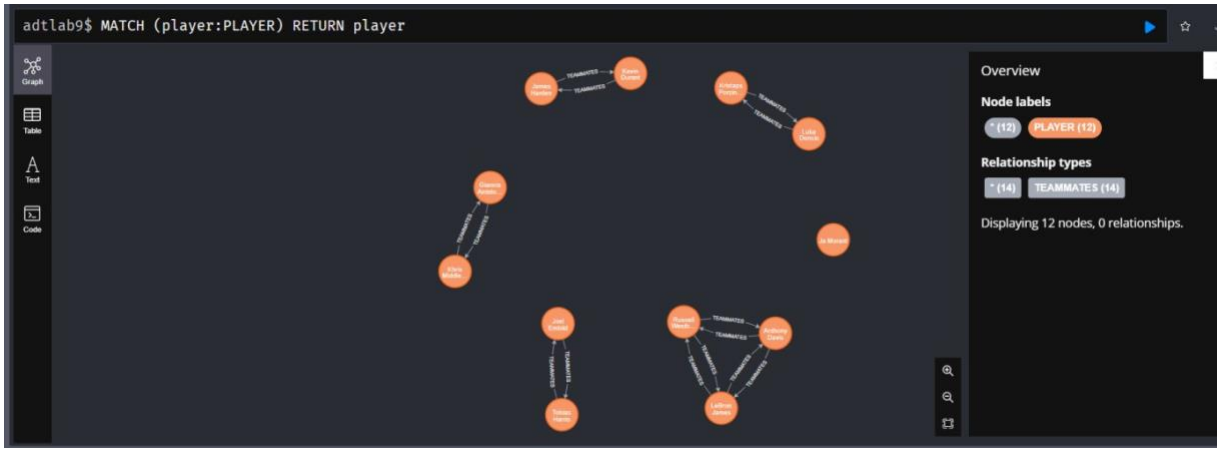


Here we have 12 node of players, 7 node of coach and 6 node of team. In total we have 25 nodes and 81 relationships

Query-

MATCH (player:PLAYER) RETURN player

Expected output-



Query-

MATCH (player:PLAYER) RETURN player.name, player.height

Expected output-

Query-

MATCH (player:PLAYER)

WHERE player.name = "LeBron James"

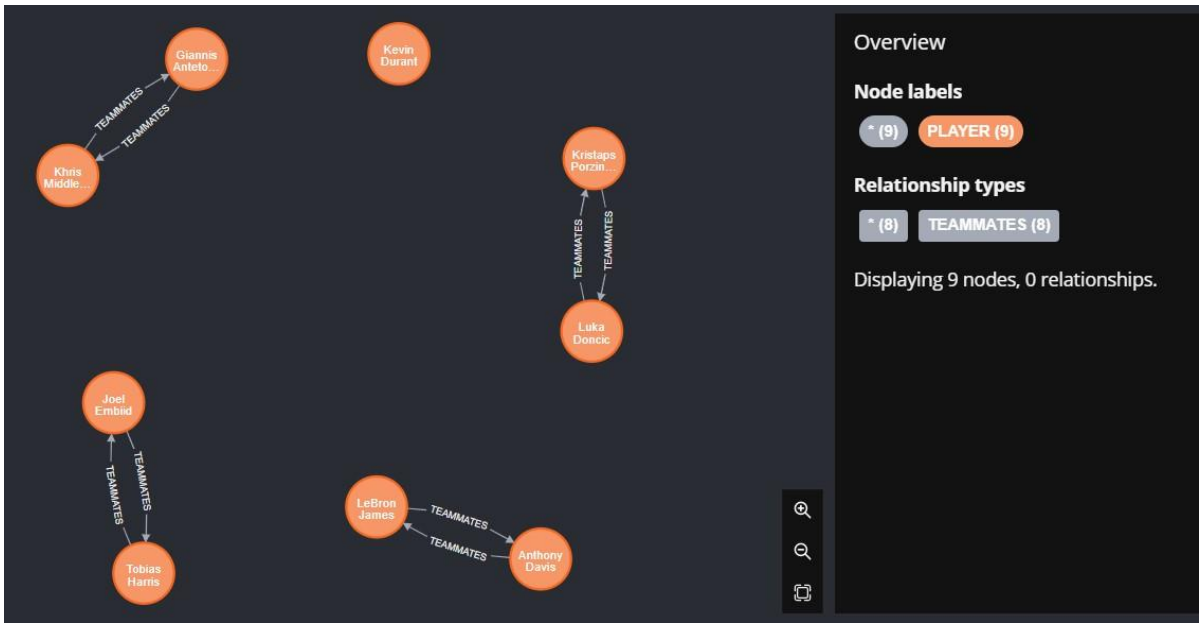
RETURN player

Expected output-

Question 1

Player where height is greater than or equal to 2

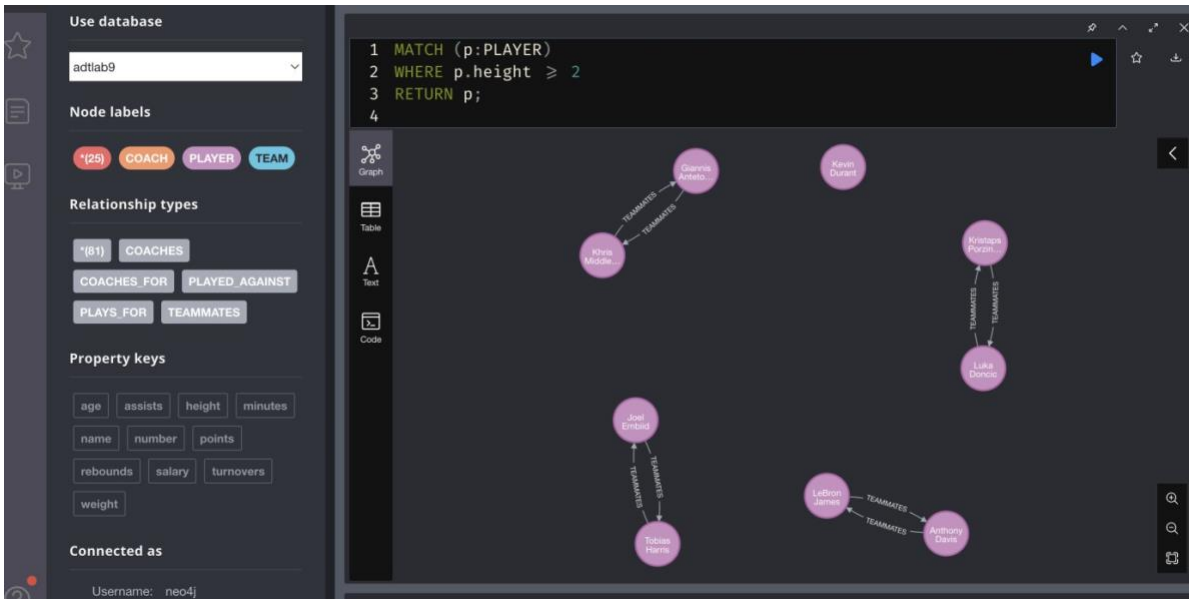
Expected output-



Your query

```
MATCH (p:PLAYER)
WHERE p.height >= 2
RETURN p;
```

Your Output

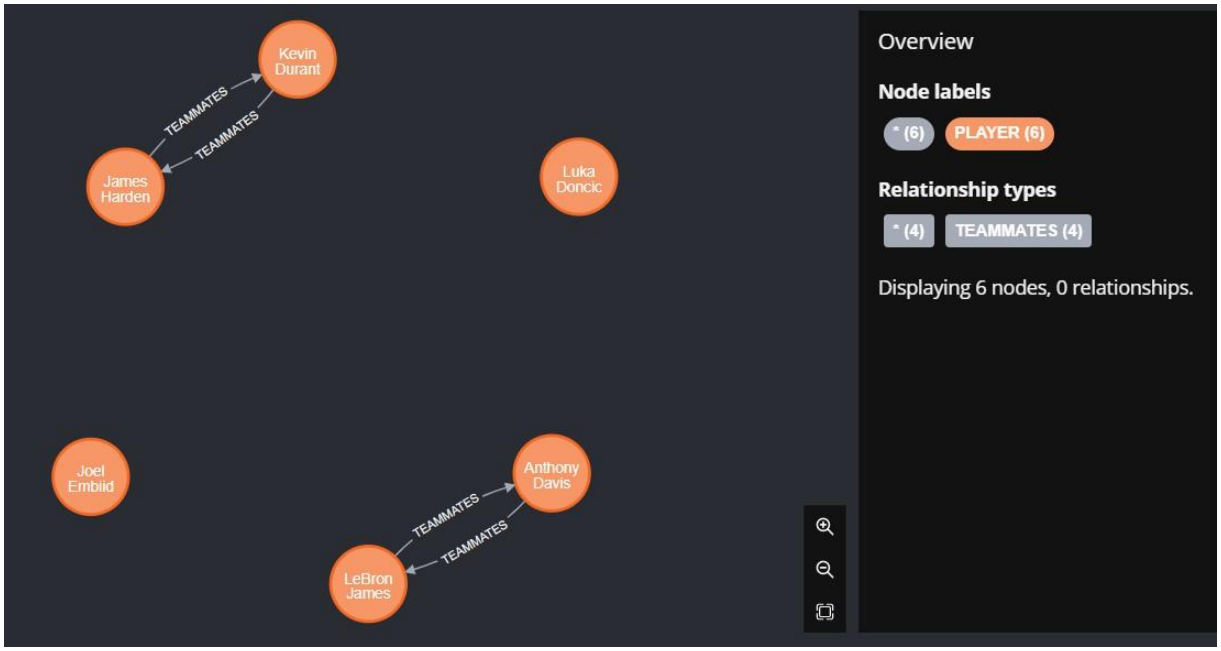


Question 2

Players with a BMI larger than 25

BMI = Weight/(Height)^2

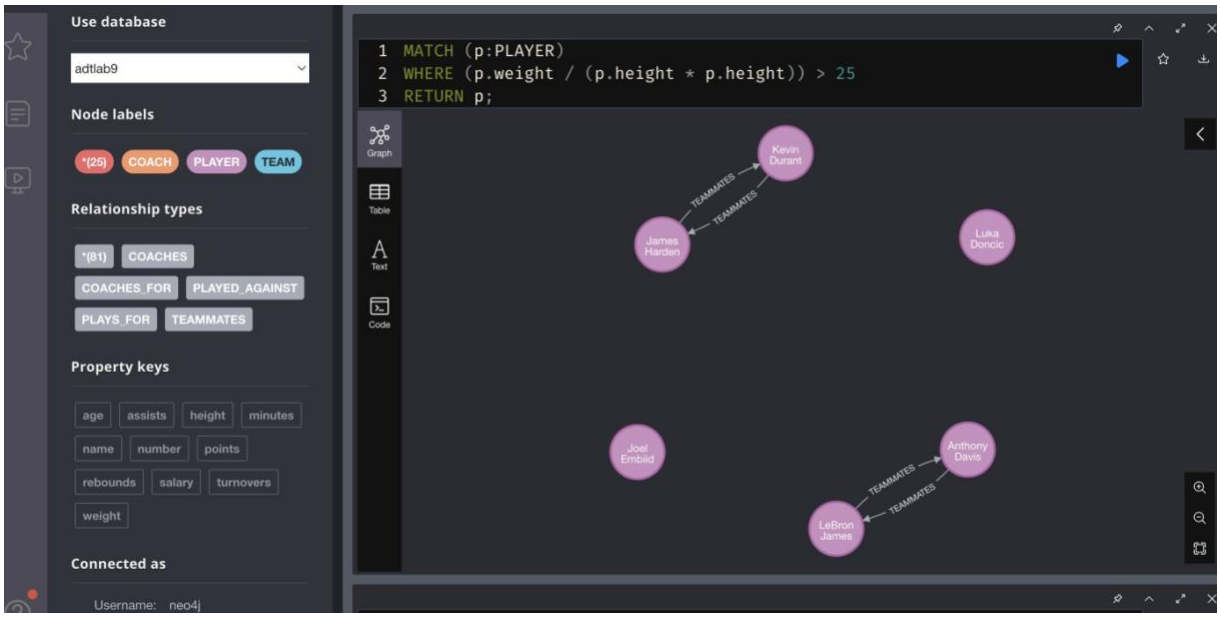
Expected output-



Your query

```
MATCH (p:PLAYER)
WHERE (p.weight / (p.height * p.height)) > 25
RETURN p;
```

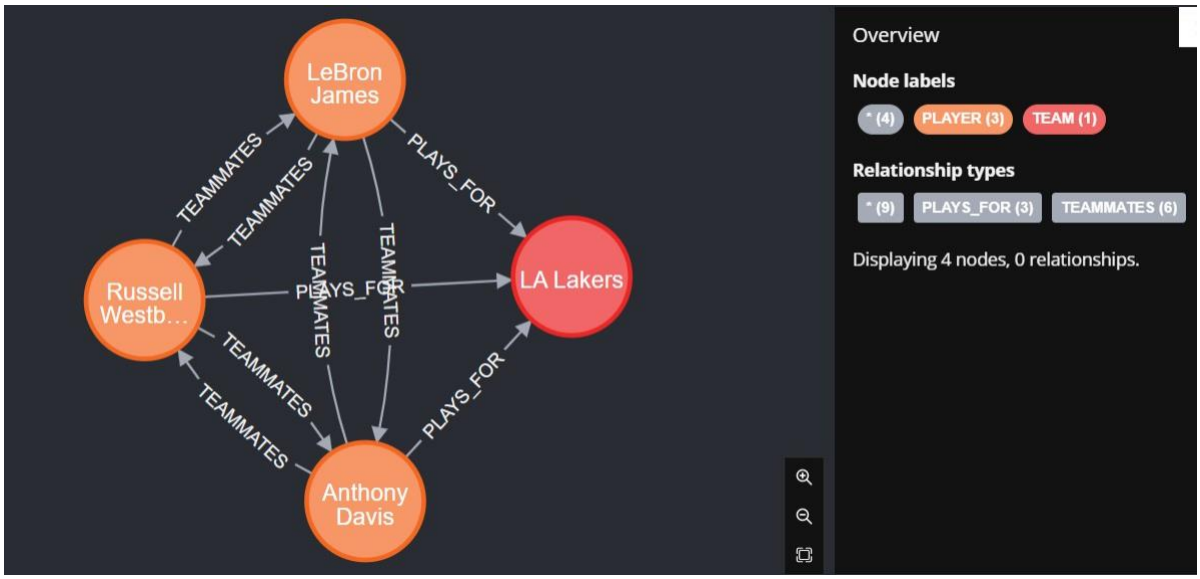
Your Output



Question 3

Select all Players and Team where Team Name is ‘LA Lakers’

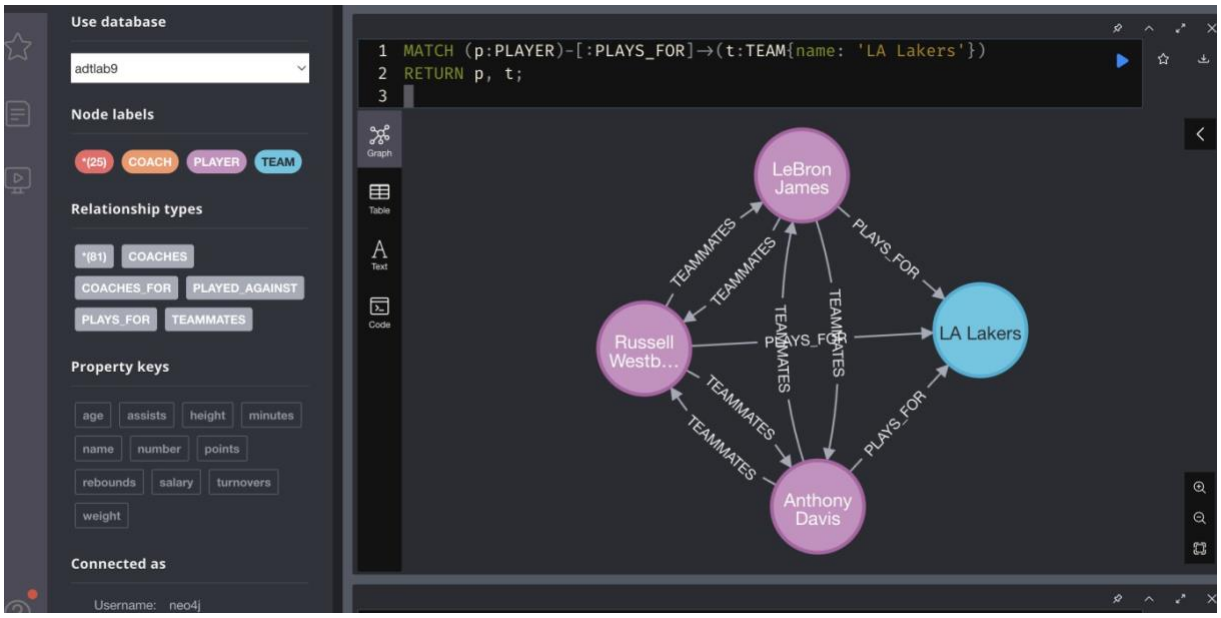
Expected output-



Your query

```
MATCH (p:PLAYER)-[:PLAYS_FOR]->(t:TEAM{name: 'LA Lakers'})
RETURN p, t;
```

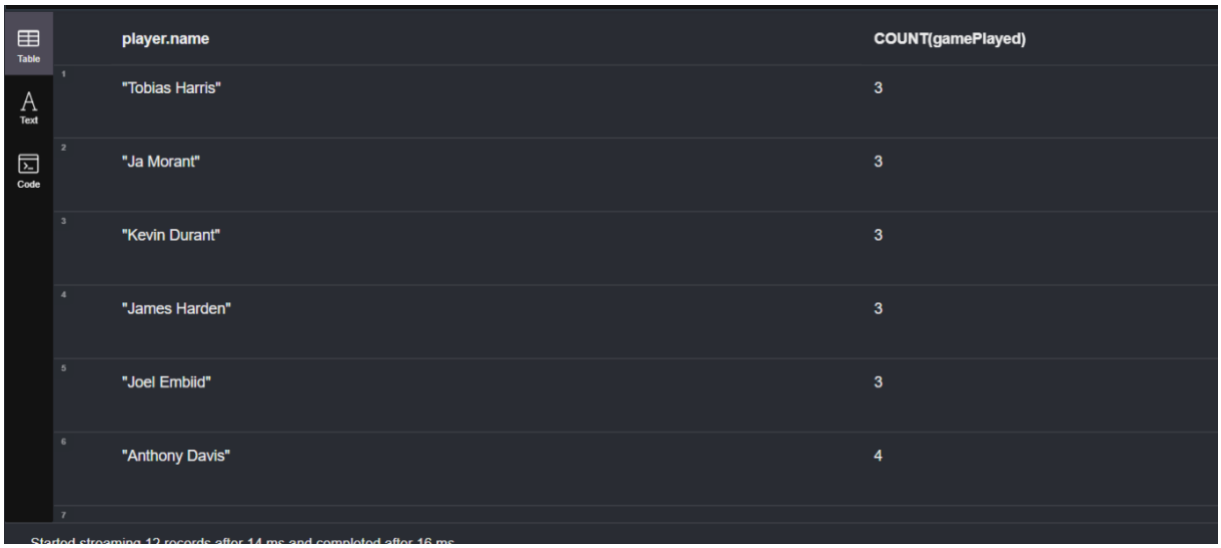
Your Output



Question 4

Get players and number of games played

Expected output-



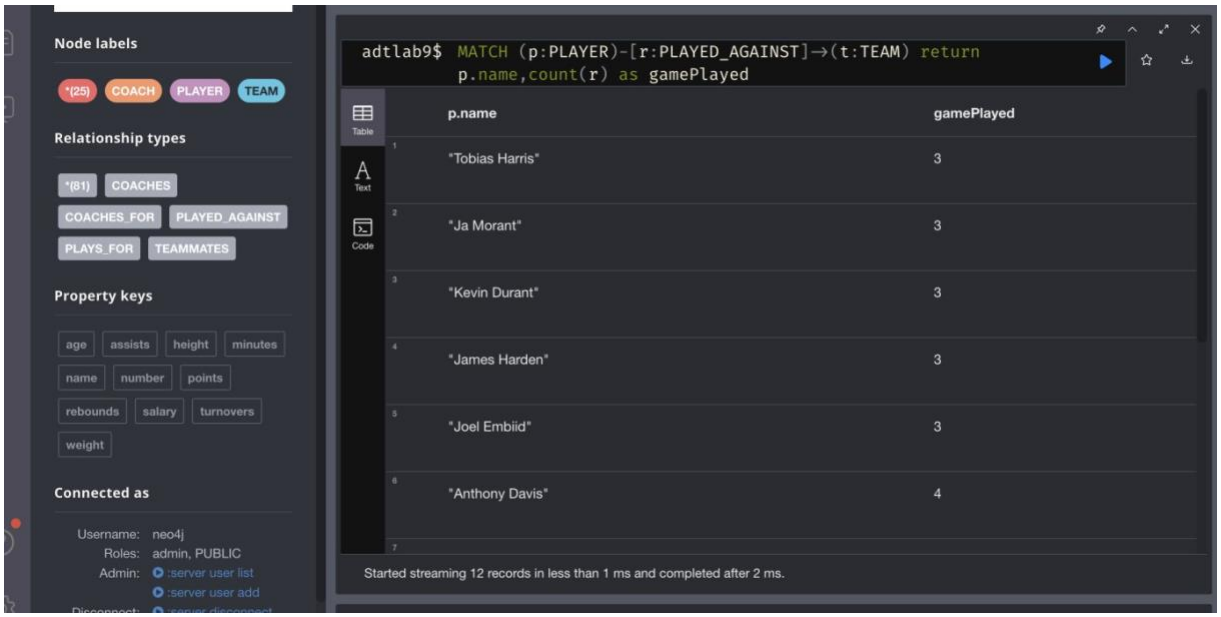
	player.name	COUNT(gamePlayed)
1	"Tobias Harris"	3
2	"Ja Morant"	3
3	"Kevin Durant"	3
4	"James Harden"	3
5	"Joel Embiid"	3
6	"Anthony Davis"	4
7		

Started streaming 12 records after 14 ms and completed after 16 ms

Your query

MATCH (p:PLAYER)-[r:PLAYED_AGAINST]->(t:TEAM) return p.name,count(r) as gamePlayed

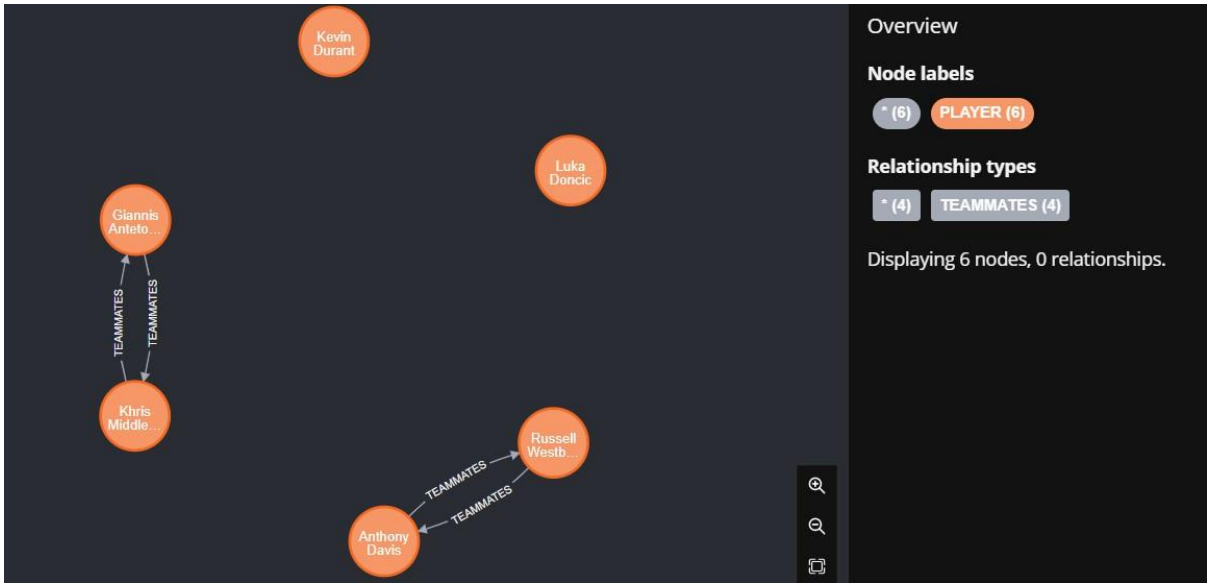
Your Output



Question 5

Get all players that make more than 35M

Expected output-



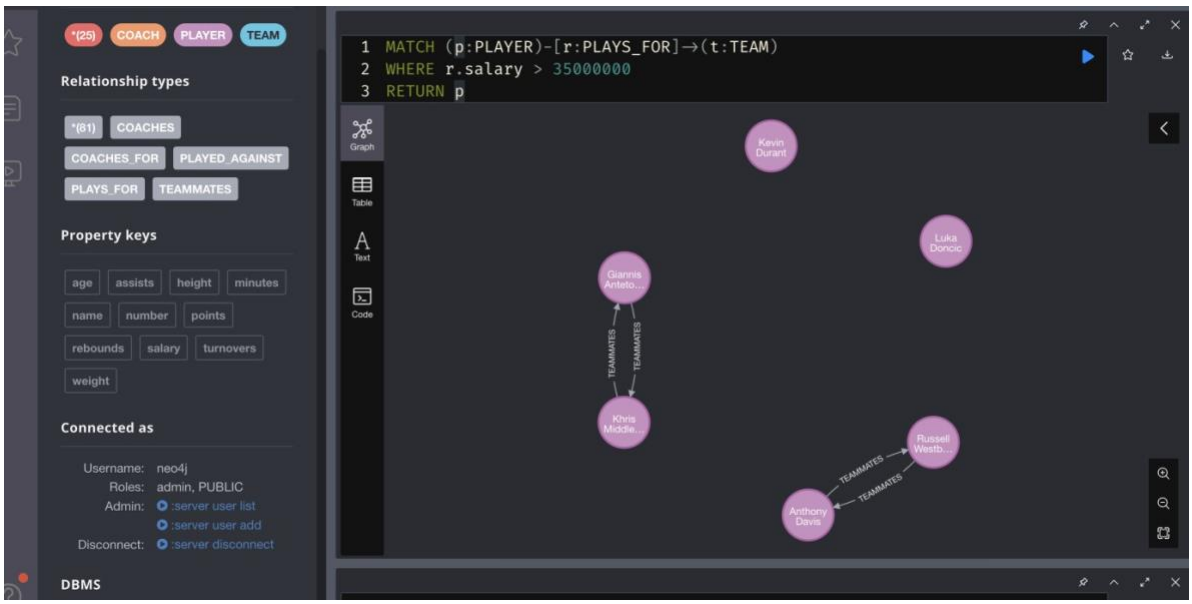
Your query

```
MATCH  (p:PLAYER)-[r:PLAYS_FOR]->(t:TEAM)

WHERE r.salary > 35000000

RETURN p
```

Your Output


*(25)
COACH
PLAYER
TEAM
Relationship types
*(81)
COACHES
COACHES_FOR
PLAYED_AGAINST
PLAYS_FOR
TEAMMATES
Property keys
age
assists
height
minutes
name
number
points
rebounds
salary
turnovers
weight
Connected as
Username: neo4j
Roles: admin, PUBLIC
Admin: :server user list
:server user add
Disconnect: :server disconnect
DBMS
1 MATCH (p:PLAYER)-[r:PLAYS_FOR]→(t:TEAM)
2 WHERE r.salary > 35000000
3 RETURN p
Graph
Table
Text
Code
Kevin Durant
Luka Doncic
Giannis Anteto...
Khris Middle...
Russell Westb...
Anthony Davis
TEAMMATES
TEAMMATES
TEAMMATES
TEAMMATES