1, load players()

```
Created player = (3444:Player {first_name: 'Bradley', last_name: 'Zimmer', player_id: 'zimmebr01'})

('playerID': 'zimmebr01', 'nameLast': 'Zimmer', 'nameFirst': 'Bradley'}

Created player = (3445:Player {first_name: 'Jordan', last_name: 'Zimmermann', player_id: 'zimmejo02'})

('playerID': 'zimmejo02', 'nameLast': 'Zimmermann', 'nameFirst': 'Jordan'}

Created player = (3446:Player {first_name: 'Ryan', last_name: 'Zimmerman', player_id: 'zimmery01'})

('playerID': 'zimmery01', 'nameLast': 'Zimmerman', 'nameFirst': 'Ryan'}

Created player = (3447:Player {first_name: 'Ben', last_name: 'Zobrist', player_id: 'zobribe01'})

('playerID': 'zobribe01', 'nameLast': 'Zobrist', 'nameFirst': 'Ben'}

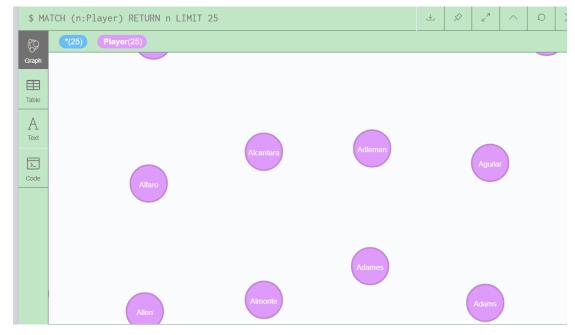
Created player = (3448:Player {first_name: 'Mike', last_name: 'Zunino', player_id: 'zuninmi01'})

('playerID': 'zuninmi01', 'nameLast': 'Zunino', 'nameFirst': 'Mike'}

Created player = (3449:Player {first_name: 'Tony', last_name: 'Zych', player_id: 'zychto01'})

('playerID': 'zychto01', 'nameLast': 'Zych', 'nameFirst': 'Tony'}

Loaded 1358 records.
```

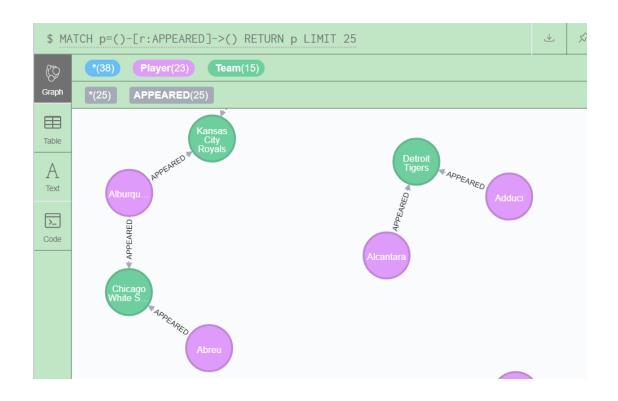


2, load_teams()

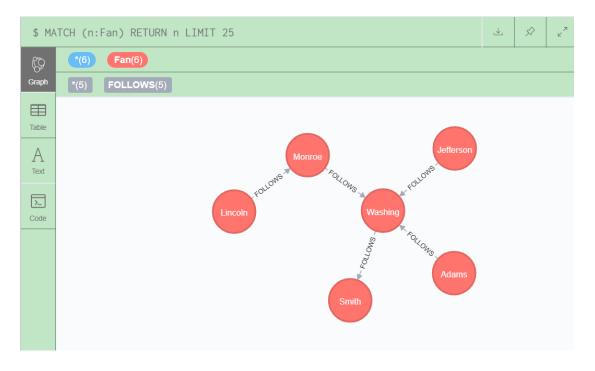


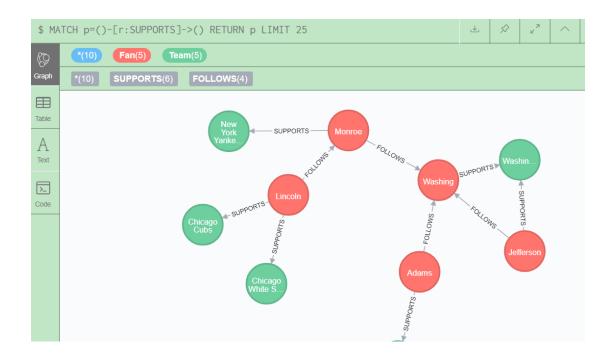
3, load_apperances

```
Created appearances = (_3442)-[:APPEARED {}]->(_3469)
{'playerid': 'zastrro01', 'teamid': 'CHN', 'games': '4'}
Created appearances = (_3443)-[:APPEARED {}]->(_3478)
{'playerid': 'zieglbr01', 'teamid': 'MIA', 'games': '53'}
Created appearances = (_3444)-[:APPEARED {}]->(_3471)
{'playerid': 'zimmebr01', 'teamid': 'CLE', 'games': '101'}
Created appearances = (_3445)-[:APPEARED {}]->(_3473)
{'playerid': 'zimmejo02', 'teamid': 'DET', 'games': '29'}
Created appearances = (_3446)-[:APPEARED {}]->(_3493)
{'playerid': 'zimmery01', 'teamid': 'WAS', 'games': '144'}
Created appearances = (_3447)-[:APPEARED {}]->(_3469)
{'playerid': 'zobribe01', 'teamid': 'CHN', 'games': '128'}
Created appearances = (_3448)-[:APPEARED {}]->(_3487)
{'playerid': 'zuninmi01', 'teamid': 'SEA', 'games': '124'}
Created appearances = (_3449)-[:APPEARED {}]->(_3487)
{'playerid': 'zychto01', 'teamid': 'SEA', 'games': '45'}
Leaded 1494 records
```

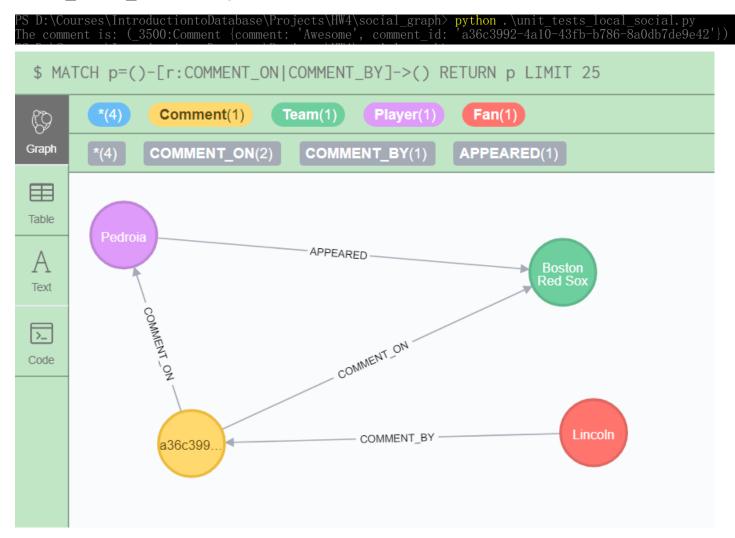


4, load_follows_fans() and create_supports()

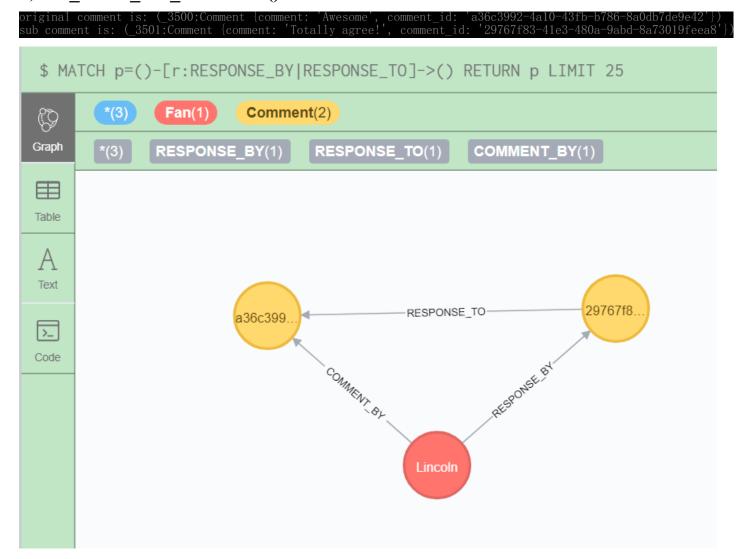




6, test_create_comments()



7, test_create_sub_comments()



8, test_get_player_comments

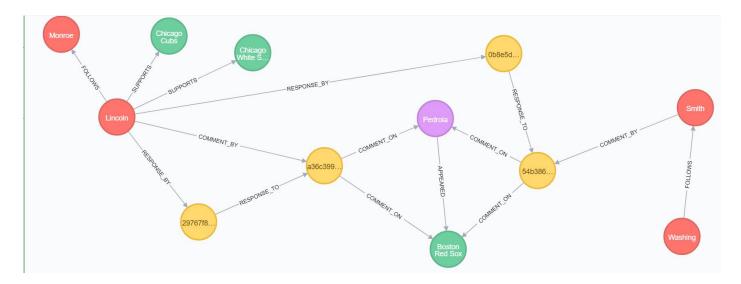
```
[
    "fan": {
        "uni": "all",
        "last_name": "Lincoln",
        "first_name": "Abraham"
},
    "comment": {
        "comment_id": "a36c3992-4a10-43fb-b786-8a0db7de9e42",
        "comment": "Awesome"
},
    "player": {
        "last_name": "Pedroia",
        "first_name": "Dustin",
        "player_id": "pedrodu01"
}
}
PS_D:\Courses\IntroductiontoDatabase\Projects\HW4\social_gray
```

9, test get team comments

```
[
    "fan": {
        "uni": "all",
        "last_name": "Lincoln",
        "first_name": "Abraham"
},
    "comment": {
        "comment_id": "a36c3992-4a10-43fb-b786-8a0db7de9e42",
        "comment": "Awesome"
},
    "team": {
        "team_name": "Boston Red Sox",
        "team_id": "BOS"
}
```

10, test create comment2

```
The comment is: (_3503:Comment {comment: 'Not that good Abraham, you agree?', comment_id: '54b386bd-96ff-4280-80ab-57ff0511994 3'})
sub comment is: (_3504:Comment {comment: "That's non-sense!!!", comment_id: '0b8e5d65-9b3c-42f3-9b30-0cf5a040a26c'})
```

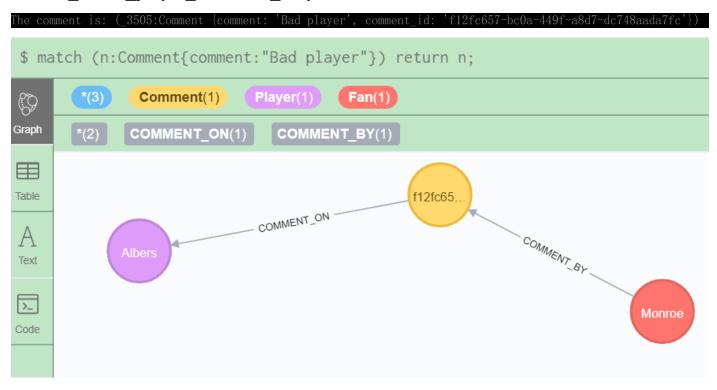


Now, we can see a complete relation graph between the player, team, fan and comments, the Simit comment on the player Pedroia, while Lincoln sub-comment on his comment. Also, Lincoln comment directly to the team BOS and player Pedroia, also, Lincoln comments on himself.

11, test get comment2

```
"fan": {
    "uni": "js1",
    "last_name": "Smith",
    "first_name": "John"
     "comment": "Not that good Abraham, you agree?"
},
"player": {
    "last_name": "Pedroia",
    "first_name": "Dustin",
    "player_id": "pedrodu01"
 "fan": {
    "uni": "all",
    "last_name": "Lincoln",
    "first_name": "Abraham"
     "comment_id": "a36c3992-4a10-43fb-b786-8a0db7de9e42", "comment": "Awesome"
     "last_name": "Pedroia",
"first_name": "Dustin",
"player_id": "pedrodu01"
"fan": {
    "uni": "js1",
    "last_name": "Smith",
    "first_name": "John"
  comment": {
    "comment_id": "54b386bd-96ff-4280-80ab-57ff05119943",
    "comment": "Not that good Abraham, you agree?"
     "team_name": "Boston Red Sox",
"team_id": "BOS"
 "fan": {
    "uni": "all",
    "last_name": "Lincoln",
    "first_name": "Abraham"
},
"comment":
"_mment
     "comment_id": "a36c3992-4a10-43fb-b786-8a0db7de9e42", "comment": "Awesome"
     "team_name": "Boston Red Sox",
"team_id": "BOS"
```

12, test create player comment only



13, 12, test_create_team_comment_only

