## Assignemnt 10: NEO4j

Tom Bohbot

April 2021

1 Retrieve the first three Person nodes

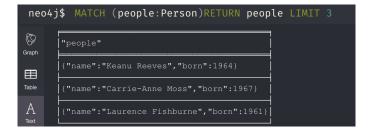


Figure 1: First three person nodes

2 Retrieve all Movies released in 2006, returning only their titles



Figure 2: Movie titles released in 2006

3 Query the database for all property keys (hint: use a CALL command rather than MATCH)

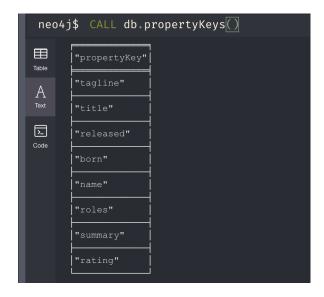


Figure 3: All property keys

4 Retrieve all people who wrote the movie Speed Racer



Figure 4: People who wrote Speed Racer

## 5 Retrieve all movies (titles only) connected in any way with Tom Hanks



Figure 5: All movies connected to Tom Hanks

6 Retrieve information about the relationships Tom Hanks has with the set of movies retrieved in the previous query

MATCH (person :Person)-[r]→(movie:Movie) WHERE person.name = 'Tom Hanks' RETURN DISTINCT movie.title, type(r)	
"movie.title"	"type(r)"
"You've Got Mail"	"ACTED_IN"
"Apollo 13"	"ACTED_IN"
"Joe Versus the Volcano"	"ACTED_IN"
"That Thing You Do"	"ACTED_IN"
"Cloud Atlas"	"ACTED_IN"
"The Da Vinci Code"	"ACTED_IN"
"Sleepless in Seattle"	"ACTED_IN"
"A League of Their Own"	"ACTED_IN"
"The Green Mile"	"ACTED_IN"
"Charlie Wilson's War"	"ACTED_IN"
"Cast Away"	"ACTED_IN"
"That Thing You Do"	"DIRECTED"
"The Polar Express"	"ACTED_IN"

Figure 6: Relationships Tom Hanks has with Movies

7 For each movie in which Tom Hanks acted, list the title of the movie and the role(s) that he played

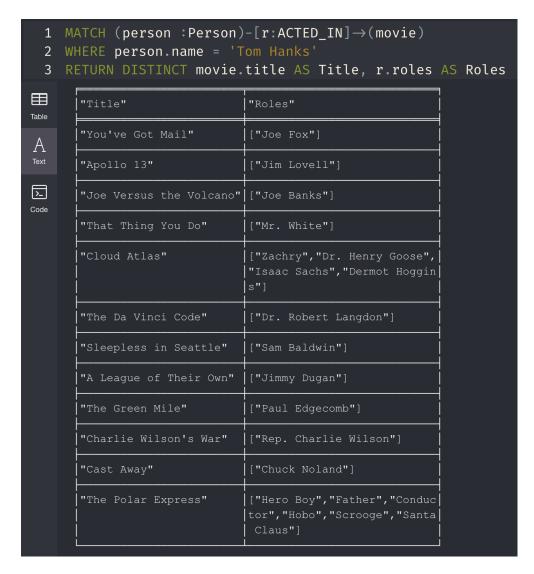


Figure 7: List of roles in each of Tom Hank's movies