**Week 9 Coding Practice**

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Practice on Movie Dataset(sandbox)

1. Retrieve all Person nodes

MATCH (p:Person)

RETURN p

Background pattern

Description automatically generated with medium confidence

1. Retrieve Person nodes that have a born property value of 1970

MATCH (p:Person {born : 1970})

RETURN p

Graphical user interface

Description automatically generated with low confidence

1. Retrieve a movie releases in 2003 and tagline "Free your mind"

MATCH (m:Movie {released : 2003, tagline : ‘Free your mind’})

RETURN m

Graphical user interface, application, Teams

Description automatically generated

1. Return property values as a table for a person born in 1965 with two columns

name and year

MATCH (p: Person {born : 1965})

RETURN p.name, p.born

Graphical user interface

Description automatically generated with medium confidence

1. Add aliases column headings NAME and YEAR for the query #4

MATCH (p:Person {born : 1965})

RETURN p.name as NAME, p.born AS YEAR

Graphical user interface, application

Description automatically generated with medium confidence

1. Add aliases column headings NAME OF PERSON and YEAR BORN for the

query #4

MATCH (p: Person {born: 1965})

RETURN p.name AS ‘NAME OF PERSON’, p.born AS ‘YEAR BORN’

Graphical user interface

Description automatically generated with medium confidence

1. Examine relationship schema in Movie database + make a screenshot

CALL db.schema.visualization()

Text

Description automatically generated

1. Find a person who acted in the movie "the Matrix" and

return person, relation, and movie

MATCH (p:Person)-[rel:ACTED\_IN] -> (m:Movie {title : ‘The Matrix’})

RETURN p, rel, m

A screenshot of a computer

Description automatically generated with medium confidence

1. Retrieve all movies that are connected to Tom Hanks. Note two alternative ways

of writing the same query.

MATCH (m: Movie) <-- (p:Person {name : ‘Tom Hanks’})

RETURN m.title

//or

MATCH (p : Person {name : ‘Tom Hanks’}) --> (m : Movie)

RETURN m.title

A screenshot of a computer

Description automatically generated with medium confidence

1. Return all relationships for the title "The Matrix"

MATCH (p : Person) – [rel] -> (m : Movie {title : ‘The Matrix’})

RETURN p.name, type(rel)

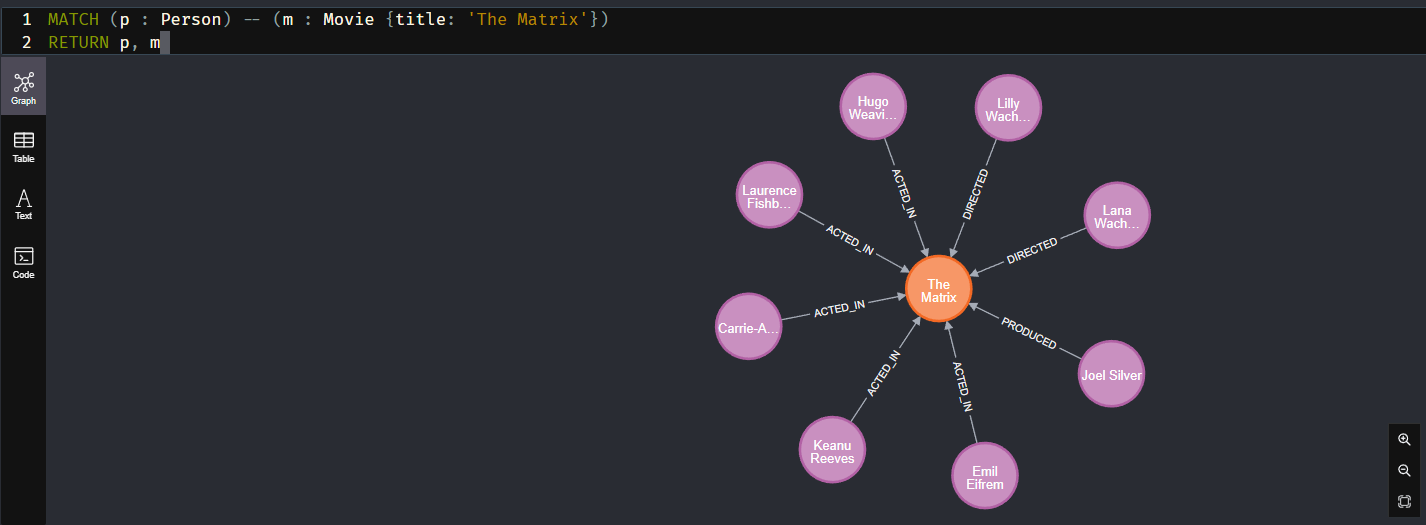
A screenshot of a computer screen

Description automatically generated with medium confidence

1. Use anonymous relationship for the title "The Matrix"

MATCH (p : Person) – (m : Movie {‘The Matrix’})

RETURN p, m



1. Find who reviewed "Cloud Atlas" and return name and rating

MATCH (p : Person)- [r : REVIEWED] -> (m : Movie {title : ‘Cloud Atlas’})

Graphical user interface, text

Description automatically generated

1. Find all nodes (Person) who follow Angela Scope. Note: you can leave empty

variable (:Person) if you do not need to return it

MATCH (p : Person) – [: FOLLOWS] -> (: Person {name : ‘Angela Scope’})

RETURN p

Graphical user interface, application, Teams

Description automatically generated

1. Find a person whom Angela Scope follows. Note the change of direction.

MATCH (p : Person) <- [:FOLLOWS] – (: Person {name : ‘Angela Scope’})

RETURN p

Graphical user interface, application, Teams

Description automatically generated