PE 03 Neo4j

Output

2a

CREATE (p:People{name:"John Walsh"})

CREATE (p:People{name:"Sally Person"})

CREATE (p:People{name:"James Baker"})

CREATE (p:People{name:"Carol Lindsey"})

CREATE (p:People{name:”John Smith”})

FRIEND\_OF

MATCH (a:People{name:"John Walsh"}),(b:People{name:"John Smith"})

CREATE (a)-[r:FRIEND\_OF]->(b)

MATCH (a:People{name:"John Walsh"}),(b:People{name:”James Baker”})

CREATE (a)-[r:FRIEND\_OF]->(b)

MATCH (a:People{name:"Sally Person"}),(b:People{name:"Carol Lindsey"})

CREATE (a)-[r:FRIEND\_OF]->(b)

MANAGES

MATCH (a:People{name:"John Walsh"}),(b:People{name:"John Smith"})

CREATE (a)-[r:MANAGES]->(b)

MATCH (a:People{name:"John Walsh"}),(b:People{name:"James Baker"})

CREATE (a)-[r:MANAGES]->(b)

MATCH (a:People{name:"John Walsh"}),(b:People{name:”Sally Person"})

CREATE (a)-[r:MANAGES]->(b)

CITY

CREATE (c:City{city:"Rochester"})

CREATE (c:City{city:”Dubrovnik”})

CREATE (c:City{city:"Zagreb"})

CREATE (c:City{city:”Syracuse”})

LIVES\_IN

MATCH (a:People{name:"John Walsh"}),(b:City{city:"Rochester"})

CREATE (a)-[r:LIVES\_IN{date:"20141102"}]->(b)

MATCH (a:People{name:"Sally Person"}),(b:City{city:"Dubrovnik"})

CREATE (a)-[r:LIVES\_IN{date:"20141102"}]->(b)

MATCH (a:People{name:”James Baker”}),(b:City{city:”Zagreb”})

CREATE (a)-[r:LIVES\_IN{date:”20130901”}]->(b)

MATCH (a:People{name:”Carol Lindsey”}),(b:City{city:”Syracuse”})

CREATE (a)-[r:LIVES\_IN{date:”20130815”}]->(b)

MATCH (a:People{name:"John Smith"}),(b:City{city:"Dubrovnik"})

CREATE (a)-[r:LIVES\_IN{date:"20110401"}]->(b)

A picture containing necklace

Description automatically generated

2b

MATCH (p:People)

WHERE p.name =~ '(?i)John.\*'

RETURN p.name AS Name

A screenshot of a cell phone

Description automatically generated

2c

MATCH (p:People)-[r:LIVES\_IN]->(c:City{city:"Dubrovnik"})

RETURN p.name, c.city

A screenshot of a cell phone

Description automatically generated

2d

MATCH (p:People)-[r:LIVES\_IN]->(c:City{city:"Dubrovnik"})

RETURN p.name AS Name, min(r.date) AS Date

ORDER BY min(r.date) LIMIT 1

A screenshot of a cell phone

Description automatically generated

2e

MATCH (p:People)-[r:LIVES\_IN]->(c:City)

WHERE p.name = 'James Baker'

SET c.city ='Rochester', r.date = '20151126'

RETURN p.name, c.city, r.date

A screenshot of a cell phone

Description automatically generated