1)

CREATE (d:District{districtName:"Large Customer District",regionID:"2",distID:"9"})

MATCH (n:Region)

MATCH (m:District{distID:"9"})

WHERE n.regionID = m.regionID

CREATE (m)-[:CONTAINS\_DISTRICT]->(n)

CREATE (c:Customer{name:"Dylan Dias", addr2:"123 Sesame St",city:"Rochester",state:"NY",zip:"14623",custID:"101010",districtID:”9”})

MATCH (n:Customer{name:"Dylan Dias"})

MATCH (m:District)

WHERE n.districtID = m.distID

CREATE (n)-[:CONTAINS\_CUSTOMER]->(m)

CREATE (n:Earnings{customerID:"101010",earningsID:"100",earnings:"10500.00",reportDate: "5/1/2020"})

MATCH (n:Customer{name:"Dylan Dias"})

MATCH (m:Earnings)

WHERE n.custID = m.customerID

CREATE (n)-[:EARNINGS\_OF]->(m)

2)

MATCH(r:Region{regionName:"Central"})

MATCH(n:District{districtName:"Large Customer District"})

MATCH(c:Customer{name:"Dylan Dias"})

MATCH(e:Earnings{earningsID:’’100’’})

RETURN r,n,c,e

A close up of a logo

Description automatically generated

3)

MATCH (r:Region)-[:CONTAINS\_DISTRICT]-(n:District)-[:CONTAINS\_CUSTOMER]-(c:Customer{name:"Dylan Dias"})

RETURN r.regionName AS Region\_Name, n.districtName, c.name AS Customer\_Name

A screenshot of a cell phone

Description automatically generated

4)

MATCH (r:Region{regionName:"Eastern"})-[:CONTAINS\_DISTRICT]-(n:District)-[:CONTAINS\_CUSTOMER]-(c:Customer)-[:EARNINGS\_OF]-(e:Earnings)

RETURN AVG(e.earnings) AS Total\_Earnings, r.regionName AS Region, c.name A screenshot of a cell phone

Description automatically generated

A screenshot of a cell phone

Description automatically generated

5)

MATCH (c:Customer{ name:"Dylan Dias" })

SET c.name = 'ABC Dylan Dias'

RETURN c.name

A screenshot of a cell phone

Description automatically generated

6)

MATCH (r:Region)-[:CONTAINS\_DISTRICT]-(n:District)-[:CONTAINS\_CUSTOMER]-(c:Customer{name:"ABC Dylan Dias"})

RETURN r.regionName AS Region\_ Name, n.districtName, c.name AS Customer\_Name

A screenshot of a cell phone

Description automatically generated

7)

MATCH (c:Customer{city:"Homer"})-[:EARNINGS\_OF]-(e:Earnings)

WITH c,e,SPLIT(e.reportDate,'/')[0] = '6' AS Month

RETURN c.name, Month ,e.earnings

A screenshot of a cell phone

Description automatically generated

8)

MATCH (c:Customer)

WHERE SPLIT(c.name," ")[1] =~ '^T.\*'

RETURN c.name

A screenshot of a cell phone

Description automatically generated

9)