Home hub

// delete existing graph

match (n) detach delete n;

// verify you have no nodes/relationships in your graph

match (n) return n;

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match (n) detach delete n;

LOAD CSV WITH HEADERS FROM 'file:///homehub.csv' AS row MERGE

(customer:customer{customer\_id:row.username,fullname:row.fullName})

LOAD CSV WITH HEADERS FROM 'file:///homehub.csv' AS row MERGE

(zipcode:zipcode{zipcode:row.zip,state:row.state})

LOAD CSV WITH HEADERS FROM 'file:///homehub.csv' AS row MERGE

(products:products{orderId:row.orderId,fullName:row.fullName,productId:row.productId,username:row.username,zip:row.zip,street:row.street,buyId:row.buyId,price:row.price,deliveryMethod:row.deliveryMethod,pickupLocation:row.pickupLocation,createTime:row.createTime,productName:row.productName})

LOAD CSV WITH HEADERS FROM 'file:///homehub.csv' AS row MERGE

(orders:orders{buyId:row.buyId,fullname:row.fullName})

LOAD CSV WITH HEADERS FROM 'file:///homehub.csv' AS row MERGE

(pickupLocation:pickupLocation{pickupLocation:row.pickupLocation})

MATCH (c:customer),(o:orders)

WHERE c.fullname=o.fullname

CREATE (c)-[:placed]->(o);

MATCH (o:orders),(p:products)

WHERE o.buyId=p.buyId

CREATE (o)-[:contains]->(p);

MATCH (p:products),(z:zipcode)

WHERE p.zip = z.zipcode and p.deliveryMethod = 'delivery'

CREATE (p)-[:deliver\_to]->(z);

MATCH (p:products),(k:pickupLocation)

WHERE p.pickupLocation = k.pickupLocation and p.deliveryMethod = 'pickup'

CREATE (p)-[:pickup\_at]->(k);

//Get store location with top 3 pick-up number

match (p:products)-[:pickup\_at]->(k:pickupLocation)

return k.pickupLocation,count(\*) as pickup\_cnt

ORDER BY pickup\_cnt DESC

limit 3

//Get the customer who spent the most money

match (o:orders)-[:contains]-> (p:products)

return o.fullname,sum(tofloat(p.price))as spent\_amount

order by spent\_amount desc

limit 1