Grace Long Torales

PENeo05

1. MATCH (r:Region {regionName:"Eastern"})-[x]->(d:District)-[y]->(c:Customer)

RETURN COUNT(c)

Results:

13

1. MATCH (r:Region {regionName:"Eastern"})-[x]->(d:District)-[y]->(c:Customer)-[z]->(e:Earnings)

RETURN SUM(e.earnings)  
Results:

5321.0

1. MATCH (r:Region {regionName:"Eastern"})-[x]->(d:District)-[y]->(c:Customer)-[z]->(e:Earnings)

RETURN AVG(e.earnings)

Results:

177.36666666666665

1. MATCH (r:Region WHERE r.regionName IN ["Eastern", "Western"])-[x]->(d:District)-[y]->(c:Customer)-[z]->(e:Earnings)

RETURN r.regionName, AVG(e.earnings)

Results:

|  |  |
| --- | --- |
| r.regionName | AVG(e.earnings) |
| Eastern | 177.3666667 |
| Western | 256.7727273 |

1. MATCH (c:Customer)

OPTIONAL MATCH (c)-[x]->(e:Earnings WHERE SPLIT(e.reportDate, "/")[2] = "2010")

WITH c, SUM(e.earnings) AS allEarnings

MATCH (r:Region)-[x]->(d:District)-[y]->(c:Customer WHERE c.name =~ "(?i)^s.\*")

RETURN r.regionName, d.distName, c.name, allEarnings

ORDER BY c.name

Results:

|  |  |  |  |
| --- | --- | --- | --- |
| r.regionName | d.distName | c.name | allEarnings |
| Eastern | Southeastern | Saint Andrews Golf Corp | 114 |
| Central | South Central | Scp Pool Corp | 329 |
| Western | Southwestern | Shaw Brothers | 1665 |
| Eastern | Southeastern | Specialty Teleconstructors Inc | 0 |
| Western | Northwestern | Sterling Financial Corp Washington | 920 |
| Central | Great Lakes | Synaptic Pharmaceutical Corp | 152 |

1. MATCH (e:Earnings)

WITH e, SPLIT(e.reportDate, "/") AS list

WITH e, toString(list[0]) AS month, toString(list[1]) AS day, toString(list[2]) AS year

WITH \*,

CASE SIZE(month)

WHEN 1 THEN "0" + month

ELSE month

END AS updatedMonth,

CASE SIZE(day)

WHEN 1 THEN "0" + day

ELSE day

END AS updatedDay

SET e.month = updatedMonth, e.day = updatedDay, e.year = year, e.YYYYMMDD = (year + month + day)