IMPORT DELLE ZONE DI GENOVA CON LE COORDINATE GEOMETRICHE

```
LOAD CSV WITH HEADERS FROM "file:///zonizzazione.csv" as line
WITH line
MATCH (p:Point)
WHERE p.codZona=toInteger(line.CODICE)
MERGE (p)-[:SITUATED IN]->(g:Geometry {geometry:line.geometry})
COME SPLITTARE I MULTIPOLIGONI PER POI PRENDERE LE COORDINATE
match (g:Geometry)
WHERE g.geometry CONTAINS "MULTIPOLYGON"
with apoc.text.replace(g.geometry,"MULTIPOLYGON \(\\(\(\), "\(\\()") as geo,g
with apoc.text.replace(geo,"\)\)\","\)\)") as geo,g
with apoc.text.replace(geo,", \(\(",";\(\(")\) as geo,g
with apoc.text.replace(geo,"\(\(","POLYGON\(\(")\) as geo,g
with apoc.text.split(geo,";") as geo,g
unwind geo as singleG
return g.geometry as geom, singleG
COME SALVARE IN FORMATO LISTA DI COORDINATE I POLIGONI SU NEO4J
LOAD CSV WITH HEADERS FROM "file:///coordinates from Polygon.csv" as line
WITH line
WHERE line. Coordinates is not null
WITH line. Coordinates as coordinate, line
WITH REPLACE(coordinate,""","") as coordinate,line
//with replace(split(coordinate, ",")[1],"[","") as coordinate,line
WITH REPLACE(coordinate, "[", "") as coordinate, line
WITH split(coordinate,",") as coordinate,line
MATCH (p:Point)-[:SITUATED IN]->(g:Geometry)
WHERE p.codZona=toInteger(line.CODICE)
UNWIND coordinate as singleC
WITH split(trim(singleC), " ") as coord, p,q
WITH collect(point({latitude:toFloat(coord[0]),longitude:toFloat(coord[1])})) as coordinates, p,
SET g.linesCoordinates = coordinates
COME SALVARE MULTIPOLIGONO
LOAD CSV WITH HEADERS FROM "file:///coordinates_from_Multipol.csv" as line
WITH line
WHERE line. Coordinates is not null
WITH line. Coordinates as coordinate, line
WITH REPLACE(coordinate,""","") as coordinate,line
WITH REPLACE(coordinate, "[", "") as coordinate, line
WITH split(coordinate,",") as coordinate,line
```

UNWIND coordinate as singleC
WITH split(trim(singleC), " ") as coord,line
WITH collect(point({latitude:toFloat(coord[0]),longitude:toFloat(coord[1])})) as coordinates,line
MATCH (g:Geometry)
WHERE g.geometry=line.geom
MERGE (g)-[:IS_A_PART_OF_POLYGON]->(s:SinglePolygon {linesCoordinates:coordinates})

risultato dopo import

