1.

q = **\*:\***

2.

q = **TAIL\_NUMBER:N520JB AND DATE:[NOW-10YEARS TO \*]**

sort = **DISTANCE DESC**

fl = **TAIL\_NUMBER,DISTANCE,ORIG\_CITY,DEST\_CITY**

rows = **5**

**Then CSV**

3.

q = **DEST\_CITY:columbas~2**

facet.field = **DEST\_CITY\_str**

4.

rows:0

facet.field = **ORIG\_CITY\_str**

fq = **{!geofilt}**

pt = **39.85,-104.66**

sfield = **ORIG\_LOCATION\_p**

d = **2** **+ (LATER:200)**

1.

MATCH (n:Entity)

RETURN n.name LIMIT 25

2.

**MATCH** (o:Officer)

**WHERE** o.countries **CONTAINS** 'Hungary'

**RETURN** o

**Ex1: RETURN THE FIRST 10 ADDRESS NODES**

**Ex2: HOW MANY PROPERTIES AN ADDRESS NODE HAS?**

**Ex3: RETURN THE FIRST 10 COUNTRIES OF THE ADDRESS NODE. WHAT IS THE LAST COUNTRY IN THE LIST?**

**Ex4: HOW MANY ADDRESS NODES HAS 'Mexico' OR 'Monaco' IN THEIR ADDRESS PROPERTY?**

3.

**MATCH** (o:Officer)

**MATCH** p=(o)-[r]-(c:Entity)

**RETURN** p

**LIMIT** 50

4.

**MATCH** (o:Officer)

**WHERE** toLower(o.name) **CONTAINS** "the duchy of lancaster"

**MATCH** p=(o)-[r]-(c)

**RETURN** p

5.

**MATCH** (o:Officer)

**WHERE** toLower(o.name) **CONTAINS** "the duchy of lancaster"

**MATCH** p=(o)-[\*..2]-(c)

**RETURN** p

6.

**MATCH** (n:Address)

**RETURN** n.countries, count(\*)

**ORDER** **BY** count(\*) **DESC**

**LIMIT** 10

### Ex5: LIST THE NAME AND NUMBER CONNECTIONS OF THE TOP 10 MOST CONNECTED OFFICERS FROM BULGARIA.WHO IS THE NO1?

**SOLR Exercise 1: HOW MANY FLIGHTS ARRIVED IN SAN FRANCISCO WITH NO DELAY ALTOUGH THEY DEPARTED AT LEAST 50 MINS BEHIND THE SCHEDULE?**

ANSWER:3

q = ARRIVAL\_DELAY:[\* TO 0] AND DEPARTURE\_DELAY:[50 TO \*]

facet.field = DEST\_CITY\_str

**NEO4J Exercise 3: RETURN THE FIRST 10 COUNTRIES OF THE ADDRESS NODE. WHAT IS THE LAST COUNTRY IN THE LIST?**

ANSWER:Bermuda

MATCH (n:Address) RETURN n.countries LIMIT 10

**NEO4J Exercise 4: HOW MANY ADDRESS NODES HAS 'Mexico' AND 'Monaco' IN THEIR ADDRESS PROPERTY?**

ANSWER: 449

MATCH (a:Address)

WHERE a.address CONTAINS 'Mexico' OR a.address CONTAINS 'Monaco'

RETURN a

MATCH (a:Address)

WHERE a.address CONTAINS 'Mexico' OR a.address CONTAINS 'Monaco'

RETURN COUNT(\*)

**NEO4J Exercise 5: List the name and number connections of the top 10 most connected Officers from Bulgaria.Who is the no1.**

ANSWER: THE BEARER

MATCH (o:Officer)

WHERE o.countries CONTAINS 'Bulgaria'

RETURN o.name, count(\*)

ORDER BY count(\*) DESC