

## Uloha 2:

```
1 MATCH (a:Account)←[f:FOLLOWS]-(b:Account) RETURN a.id, a.screen_name, COUNT(f)
2 ORDER BY COUNT(f) DESC LIMIT 5
```

	a.id	a.screen_name	count(f)
1	"813286"	"BarackObama"	12725
2	"21447363"	"katyperry"	11461
3	"25073877"	"realDonaldTrump"	6720
4	"25365536"	"KimKardashian"	6680
5	"18839785"	"narendramodi"	6425

Started streaming 5 records after 3 ms and completed after 5689 ms.

## Uloha 3: obsahuje 304 vysledkov, takze som odfotil iba zaciatok

```
1 MATCH (perry:Account {screen_name: 'katyperry'}),
2 (kim:Account {screen_name: 'KimKardashian'}),
3 paths = allShortestPaths((perry)-[:FOLLOWS*]-(kim))
4 RETURN paths
```

	paths
1	<pre>{   "start": {     "identity": 55286,     "labels": [       "Account"     ],     "properties": {       "friends_count": 224,       "screen_name": "katyperry",       "statuses_count": 10881,       "followers_count": 108521347,       "name": "KATY PERRY",       "description": "Love. Light.",       "id": "21447363"     }   }</pre>

Started streaming 304 records after 32 ms and completed after 1474 ms.

#### Uloha 4:

```

1 CALL
2 {
3   MATCH (a:Account)-[p:POSTS]→(t:Tweet)←[r:RETWEETS]-()
4   RETURN a, COUNT(r) as rCount ORDER BY rCount DESC LIMIT 10
5 }
6 MATCH (a)-[p:POSTS]→(t:Tweet)←[r:RETWEETS]-()
7 RETURN a.screen_name, t.id, COUNT(r) as rCount ORDER BY rCount
8 LIMIT 10

```

	a.screen_name	t.id	rCount
1	"ewarren"	"1287140698131750913"	1
2	"CarlosLoret"	"1289243214428303360"	2
3	"replouiegohmert"	"1288554276231548929"	3
4	"ewarren"	"1289255470293757955"	3
5	"CarlosLoret"	"1288962040401399815"	6

```

1 CALL
2 {
3   MATCH (a:Account)-[p:POSTS]→(t:Tweet)←[r:RETWEETS]-()
4   RETURN a, COUNT(r) as rCount ORDER BY rCount DESC LIMIT 10
5 }
6 MATCH (a)-[p:POSTS]→(t:Tweet)←[r:RETWEETS]-()
7 RETURN a.screen_name, t.id, COUNT(r) as rCount ORDER BY rCount
8 LIMIT 10

```

	a.screen_name	t.id	rCount
6	"CarlosLoret"	"1288962040401399815"	6
6	"ewarren"	"1289287273880547328"	10
7	"CarlosLoret"	"1289354415372025858"	12
8	"CarlosLoret"	"1289417499654541312"	50
9	"maddievelasco"	"1288978547898322945"	54
10	"maddievelasco"	"1288978061501722625"	66

Started streaming 10 records after 259 ms and completed after 1942 ms.

#### Uloha 5:

```

1 CALL
2 {
3   MATCH (a:Account {screen_name: 'realDonaldTrump'})-[:POSTS]→(t:Tweet)←[r:RETWEETS]-()
4   WITH COUNT(r) as rCount, a, t
5   RETURN a, t
6   ORDER BY rCount DESC
7   LIMIT 1
8 }
9 CREATE (acc:Account {name: 'Marek Kocurik'})-[:FOLLOWS]→(a), (acc)-[p:POSTS]→(tw:Tweet {content: 'new content'})
10 RETURN acc, f, tw, r

```

acc	f	tw	r
<pre>{   "identity": 676214,   "labels": [     "Account"   ],   "properties": {     "name": "Marek Kocurik"   } }</pre>	<pre>{   "identity": 2245901,   "start": 676214,   "end": 29616,   "type": "FOLLOWS",   "properties": {} }</pre>	<pre>{   "identity": 676215,   "labels": [     "Tweet"   ],   "properties": {     "content": "new content"   } }</pre>	<pre>{   "identity": 2245903,   "start": 318038,   "end": 676215,   "type": "RETWEETS",   "properties": {} }</pre>

Added 2 labels, created 2 nodes, set 2 properties, created 3 relationships, started streaming 1 records after 437 ms and completed after 863 ms.

Uloha 6:

1	MATCH (a:Account {screen_name: '77stl'})-[f1:FOLLOWS]→(accs:Account)
2	MATCH (b:Account)-[f2:FOLLOWS]→(accs)
3	WITH COUNT(f2) as fCount, a, b
4	WHERE NOT (a)-[:FOLLOWS]→(b) AND NOT a = b
5	RETURN b.name, fCount
6	ORDER BY fCount DESC
7	LIMIT 10

  

	b.name	fCount
1	"آمین سواد بن ریختان"	2
2	"🇧🇪 🇮🇹🇲🇩🇵🇸🇰🇷🇻🇨🇦ctiva1 🇬🇪"	1
3	"Cindy #GoodTrouble #ResinPower"	1
4	"Alessia Cacciatore"	1
5	"अभिषेक    🇮🇳"	1
6	"Maurice C. Pritchett"	1
7	"🇧🇪 TheWeepingEarth"	1

Started streaming 10 records after 2 ms and completed after 614 ms.

1	MATCH (a:Account {screen_name: '77stl'})-[f1:FOLLOWS]→(accs:Account)
2	MATCH (b:Account)-[f2:FOLLOWS]→(accs)
3	WITH COUNT(f2) as fCount, a, b
4	WHERE NOT (a)-[:FOLLOWS]→(b) AND NOT a = b
5	RETURN b.name, fCount
6	ORDER BY fCount DESC
7	LIMIT 10

  

	b.name	fCount
1	"Alessia Cacciatore"	1
2	"अभिषेक    🇮🇳"	1
3	"Maurice C. Pritchett"	1
4	"🇧🇪 TheWeepingEarth"	1
5	"Heru Praselia"	1
6	"Han II"	1
7	"Anonymous   گمنام"	1

Started streaming 10 records after 2 ms and completed after 614 ms.

Uloha 7:

```
1 MATCH (a:Account {screen_name: 'DaynerWilson'})-[:POSTS]-[:Tweet]-[:RETWEETS]->(:Tweet)-[:RETWEETS*]-[:Tweet]-[:POSTS]-[:Account]
2 WITH COUNT(r) as rCount, b
3 RETURN b.screen_name, rCount
4 ORDER BY rCount DESC
5 LIMIT 10
```

	b.screen_name	rCount
1	"Aguilesreyes9"	3
2	"GusRodr05589737"	3
3	"GoretiLiza"	3
4	"BelyRod50219672"	2
5	"CCARSOLIOO"	1
6	"elizagomalcala"	1
7	"viralvideovlogs"	1

## Uloha 8:

```
1 CALL
2 {
3   ...MATCH (a:Account)-[:POSTS]->(t:Tweet {id:"1289380305728503808"})
4   ...MATCH (b:Account)-[:FOLLOWS*0..4]->(a)
5   ...MATCH (b)-[:POSTS]->(x:Tweet)
6   ...WHERE NOT (x)-[:RETWEETS]->(t)
7   ...RETURN x as tw, split(x.content, ".") as spl
8 }
9 MATCH ((a:Account)-[:POSTS]->(t:Tweet {id:"1289380305728503808"}))
10 RETURN tw, size(apoc.coll.intersection(split(t.content, "."), spl)) as cnt
11 ORDER BY cnt DESC
12 LIMIT 5
```

Graph

Table

Text

Warn

Code

tw

cnt

35

```
{
  "identity": 313535,
  "labels": [
    "Tweet"
  ],
  "properties": {
    "happened_at_str": "2020-08-01 01:59:55+00",
    "favorite_count": 1,
    "id": "1289380305728503808",
    "author_id": "2409412165",
    "content": "@JadeRhinos @eturleye @dougducey @SenMcSallyAZ Every decision they have made regarding COVID has been economically driven, which has allowed the virus to ravage our communities, and yet, when it came down to actually helping our economy, they adandoned our state's unemployed."
  }
}
```

Started streaming 5 records after 576 ms and completed after 78182 ms.