SPARQL Queries

(We uploaded .rdf file in GraphDB to run queries)

1) Number of followers in order on Twitter

```
PREFIX xsd: <a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#>
PREFIX Tw: <a href="http://ci.lusers/isila/Desktop/final-ttls/Tw#">http://ci.lusers/isila/Desktop/final-ttls/Tw#>
SELECT ?name ?followers
WHERE {
    ?s Tw:name ?name .
    ?s Tw:followers ?followers .
```

} ORDER BY DESC(xsd:integer(?followers)) LIMIT 50

	name \$	followers
1	"Justin Bieber"	"114357427"
2	"Katy Perry"	"108900656"
3		"106201663"
4	"Cristiano Ronaldo"	"99274403"
5	"Taylor Swift"	"90373941"
6	"The Countess"	"84576292"
7	"Elon Musk"	"82898543"
8	"Ellen DeGeneres"	"77595645"
9	"Kim Kardashian"	"72170641"
10	"Selena Gomez"	"65791273"
11	"Justin Timberlake"	"63231222"
12	"Bill Gates"	"58128522"
13		"56508547"
14	"Britney Spears"	"55863848"

2) Grammy winning songs from 2017 and 2019



3) Rank in terms of max number of followers on Instagram

	owner \$	rank \$	followers \$	profession
1				Ig:Socialmedia
2	"Cristiano Ronaldo"		"450.0 M"	lg:Footballer
3			"344.0 M"	Ig:TVpersonality
4			"344.0 M"	Ig:Model
5			"344.0 M"	Ig:Businesswoman
6	"Lionel Messi"			Ig:Footballer
7				Ig:Actress
8			"324.0 M"	Ig:Musician
9			"324.0 M"	Ig:Businesswoman
10			"324.0 M"	Ig:Producer
11				Ig:Actor
12			"320.0 M"	Ig:Wrestler
13			"316.0 M"	Ig:TVpersonality
14			"316.0 M"	Ig:Model

4) List of categories of Youtube channels by order

Yt:followers ?followers . FILTER(?category= "Music" | | ?category= "Hip hop music") } ORDER BY(?channelName)

	category	channelName ♦	follow 6
1	"Music"	"Alan Walker"	"42000000"
2	"Music"	"BLACKPINK"	"75100000"
3	"Music"	"Bad Bunny"	"41600000"
4	"Music"	"Beyonc�"	"24700000"
5	"Music"	"Billie Eilish"	"45900000"
6	"Music"	"Canal KondZilla"	"65800000"
7	"Music"	"Carry Minati"	"36000000"
8	"Hip hop music"	"Ed Sheeran"	"52100000"
9		"EminemMusic"	"52600000"
10	"Music"	"J Balvin"	"33500000"
11	"Music"	"Justin Bieber"	"69400000"
12	"Music"	"Karolgmusic"	"27100000"
13	"Music"	"Katy Perry"	"43000000"
14		"Maluma"	"28600000"
15	"Music"	"Maroon 5"	"35700000"

5) Most high ranked Actor/Actress on Instagram

}

```
PREFIX Cb: <file:/C:/Users/isila/Desktop/final-ttls/Cb#>
PREFIX : <http://www.semanticweb.org/isila/ontologies/2022/10/untitled-ontology-26#>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
PREFIX Ig: <file:/C:/Users/isila/Desktop/final-ttls/Ig#>

select ?name ?social ?rank ?profession

where {

    ?s Cb:username ?name .
    ?s :isOn ?social .
    ?social Ig:rank ?rank .
    ?social Ig:hasprofession ?profession .
    FILTER REGEX(str(?social), "Ig")
    FILTER REGEX(str(?profession), "Act")
```

	name \$	social \$	rank \$	profession
1				Ig:Actress
2				Ig:Actress
3		Tw:Tw Ig:ID1525		Ig:Actor
4	"@gal_gadot"			Ig:Actress
5				Ig:Actress
6				Ig:Actor
7		Ig:ID1552	"21"	Ig:Actress
8		http://sweet.jpl.nasa.gov/2.3/humanJurisdic lg:ID1559	"39"	Ig:Actress
9				Ig:Actress
10				Ig:Actor
11	"@zendaya"	lg:ID1571	"24"	Ig:Actress

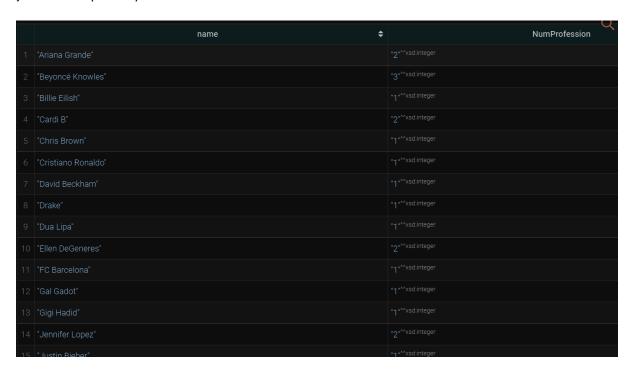
6) Number of professions listed for top celebrities on Instagram

PREFIX Ig: <file:/C:/Users/isila/Desktop/final-ttls/Ig#>

select ?name (COUNT(?profession) As ?NumProfession)
where{

?s Ig:hasprofession ?profession; Ig:owner ?name

} GROUP BY (?name)



7) Grammy award winner from 2010 to 2020

PREFIX : PREFIX Gm: PREFIX Gm: PREFIX Gm: PREFIX Gm: PREFIX Gm: PRE

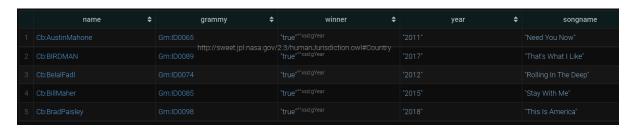
PREFIX xsd: ">http://ww

```
?name :isOn ?grammy .

FILTER REGEX(str(?grammy), "Gm")
?grammy Gm:songname ?songname .
?grammy Gm:winner ?winner .
?grammy Gm:year ?year .

FILTER((?year>"2010" && ?year<"2020") && (?winner="true"^^xsd:gYear))
```

}



8) Maximum number of views for distinct categories on Youtube

PREFIX Yt: <file:/C:/Users/isila/Desktop/final-ttls/Yt#>

select DISTINCT ?category (MAX(?views) AS ?maxviews) where{

?s Yt:channelname ?channelname; Yt:category ?category; Yt:likes ?likes; Yt:views ?views .

} GROUP BY ?category

	category	maxviews
1	"Music"	"36796548363.0"
2	"Role-playing video game"	"3046560972.0"
3	"Electronic music"	"18863047171.0"
4	"Lifestyle"	"9969944772.0"
5	"Movies"	"9948293859.0"
6	"Action-adventure game"	"2617970693.0"
7	"Entertainment"	"9944185112.0"
8	"Action game"	"9934602477.0"
9	"Rhythm and blues"	"17967902245.0"
10	"Hip hop music"	"9632080442.0"
11	"Rock music"	"18613137086.0"
12	"TV shows" Tw.Tw	"9854766293.0"
13	"Music of Asia"	"28692968075.0"
14	"Music of Latin America"	"23660684066.0"

9) RDF graph data on the selected celebrity

	subject	predicate \$	object
1	Tw:ID0008	jpl.nasa.gov/2.3/humanJurisdiction.owl#Country rdf.type	
2	Tw:ID0008		
3	Tw:ID0008		
4	Cb:AKON	:isOn	Tw:ID0008

10) Singer as his/her country of birth

}

PREFIX Sg: <file:/C:/Users/isila/Desktop/final-ttls/Sg#>

```
select ?singer ?country
where {
    ?singer Sg:hasCountry ?country .
    FILTER(str(?country)="http://eulersharp.sourceforge.net/2003/03swap/countries#us")
}
```

singer \$	country
Sg:BeyonceKnowles	
Sg:BillieEilish	
Sg:BrunoMars	
Sg:CardiB	
Sg:ChrisBrown	
Sg:DaddyYankee	
Sg:DavidGuetta	
Sg:DemiLovato	
Sg:EminemMusic	