

1)

```
PREFIX dbpedia-owl: <http://dbpedia.org/ontology/>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
SELECT ?UniversityName , ?NumberOfStudents
{
  ?UniversityName1 rdfs:label ?UniversityName.
  ?UniversityName1 dbpedia-owl:numberOfStudents ?NumberOfStudents.
  FILTER (regex(?UniversityName1,
'^http://dbpedia.org/resource/University_of_Southern_California$')||regex(?UniversityName1,
'^http://dbpedia.org/resource/University_of_California,_Los_Angeles$') )}
```

UniversityName	NumberOfStudents
"University of California, Los Angeles"@en	42163
"University of Southern California"@en	39958

2)

```
PREFIX fn: <http://www.w3.org/2005/xpath-functions/#>
PREFIX dbpedia: <http://dbpedia.org/resource/>
PREFIX dbpedia-owl: <http://dbpedia.org/ontology/>
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX dbpprop: <http://dbpedia.org/property/>
SELECT ?UniversityName, ?NumberOfStudents
{
  ?UniversityName1 rdfs:label ?UniversityName.
  ?UniversityName1 rdf:type
  <http://dbpedia.org/class/yago/UniversitiesAndCollegesInLosAngelesCounty,California>.
  ?UniversityName1 dbpprop:type dbpedia:Private_university.
  OPTIONAL { ?UniversityName1 dbpedia-owl:numberOfStudents
?NumberOfStudents}.
}
ORDER BY DESC(?NumberOfStudents)
LIMIT 10
```

UniversityName	NumberOfStudents
"University of Southern California"@en	39958
"Azusa Pacific University"@en	10755
"Loyola Marymount University"@en	9369
"California Institute of Technology"@en	2231
"Occidental College"@en	2123
"Art Center College of Design"@en	1737
"Woodbury University"@en	1500
"University of the West"@en	355
"Glendale University College of Law"@en	250
"American Academy of Dramatic Arts"@en	220

```

3)PREFIX fn: <http://www.w3.org/2005/xpath-functions/#>
PREFIX dbpedia: <http://dbpedia.org/resource/>
PREFIX dbpedia-owl: <http://dbpedia.org/ontology/>
PREFIX rdf:<http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX dbpprop:<http://dbpedia.org/property/>
SELECT ?CampusType, (Count(?CampusType) AS ?CampusCount)
{
  ?UniversityName1 rdf:type
<http://dbpedia.org/class/yago/UniversitiesAndCollegesInLosAngelesCounty,California>.
  ?UniversityName1 dbpedia-owl:campus ?CampusType.
  ?UniversityName1 dbpprop:type dbpedia:Public_university
}
Group By ?CampusType
LIMIT 10

```

CampusType	CampusCount
http://dbpedia.org/resource/Urban_area	1
http://dbpedia.org/resource/Suburban	1

4)

```
PREFIX fn: <http://www.w3.org/2005/xpath-functions/#>
PREFIX dbpedia: <http://dbpedia.org/resource/>
PREFIX dbpedia-owl: <http://dbpedia.org/ontology/>
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX dbpprop: <http://dbpedia.org/property/>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
SELECT Distinct(?universityName),?establishedDate
{
  ?university rdfs:label ?universityName
  {
    ?university rdf:type
    <http://dbpedia.org/class/yago/UniversitiesAndCollegesInLosAngelesCounty,California> .
    ?university dbpprop:established ?establishedDate.
    FILTER ((datatype(?establishedDate)) != xsd:date).
    FILTER(?establishedDate < 2015-100)

  }
  UNION
  {
    ?university <http://purl.org/dc/terms/subject>
    <http://dbpedia.org/resource/Category:Universities_and_colleges_in_Los_Angeles,_California> .
    ?university dbpprop:established ?establishedDate1.
    FILTER ((datatype(?establishedDate1)) = xsd:date).
    bind( year(?establishedDate1) as ?establishedDate ).
  }
  UNION
  {
    ?university <http://purl.org/dc/terms/subject>
    <http://dbpedia.org/resource/Category:Universities_and_colleges_in_Los_Angeles,_California> .
    ?university dbpprop:established ?establishedDate
    FILTER ((datatype(?establishedDate)) != xsd:date).
    FILTER(?establishedDate < 2015-100)
  }
}
```

}

Order by ?establishedDate

LIMIT 10

universityName	establishedDate
"Antioch University"@en	1852
"Hebrew Union College-Jewish Institute of Religion"@en	1875
"University of Southern California"@en	1880
"University of California, Los Angeles"@en	1882
"Woodbury University"@en	1884
"American Academy of Dramatic Arts"@en	1884
"Whittier College"@en	1887
"Occidental College"@en	1887
"California Institute of Technology"@en	1891
"Southern California University of Health Sciences"@en	1911

5)

Get the list of universities in Los Angeles, with their corresponding mottos and mascots.

PREFIX fn: <http://www.w3.org/2005/xpath-functions/#>

PREFIX dbpedia: <http://dbpedia.org/resource/>

PREFIX dbpedia-owl: <http://dbpedia.org/ontology/>

PREFIX rdf:<http://www.w3.org/1999/02/22-rdf-syntax-ns#>

PREFIX dbpprop:<http://dbpedia.org/property/>

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

PREFIX rdfs:<http://www.w3.org/2000/01/rdf-schema#>

SELECT Distinct(?universityName),?motto,?mascot

{

 ?university rdfs:label ?universityName.

 ?university dbpprop:motto ?motto.

```

?university dbpprop:mascot ?mascot.
?university rdf:type
<http://dbpedia.org/class/yago/UniversitiesAndCollegesInLosAngelesCounty,California> .
}
group by ?universityName
LIMIT 10

```

universityName	motto	mascot
"California Institute of Technology"@en	"The truth shall make you free"^^<http://www.w3.org/2001/XMLSchema#string>	http://dbpedia.org/resource/Beaver
"Occidental College"@en	"Occidens Proximus Orienti"^^<http://www.w3.org/2001/XMLSchema#string>	http://dbpedia.org/resource/Tiger
"Occidental College"@en	"Occidens Proximus Orienti"@en	http://dbpedia.org/resource/Tiger
"University of California, Los Angeles"@en	"Fiat lux"@en	"Joe Bruin"@en
"University of California, Los Angeles"@en	"Fiat lux"@en	"Josephine Bruin"@en
"University of Southern California"@en	"Palmarum qui meruit ferat"^^<http://www.w3.org/2001/XMLSchema#string>	http://dbpedia.org/resource/Traveler_(mascot)
"University of Southern California"@en	"Palmarum qui meruit ferat"@en	http://dbpedia.org/resource/Traveler_(mascot)
"California State University, Northridge"@en	"Regionally Focused, Nationally Recognized"^^<http://www.w3.org/2001/XMLSchema#string>	"Matty the Matador"^^<http://www.w3.org/2001/XMLSchema#string>
"Scripps College"@en	"Incipit Vita Nova"^^<http://www.w3.org/2001/XMLSchema#string>	"La Semeuse"^^<http://www.w3.org/2001/XMLSchema#string>
"Loyola Marymount University"@en	"Ad maiorem Dei gloriam"^^<http://www.w3.org/2001/XMLSchema#string>	"Iggy the Lion"^^<http://www.w3.org/2001/XMLSchema#string>