QUERY 1:

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

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

PREFIX dbpediaowl: <http://dbpedia.org/ontology/>

SELECT ?uscStudents AS ?USC_STUDENT_COUNT ?uclaStudents AS ?UCLA_STUDENT_COUNT WHERE
{

  <http://dbpedia.org/resource/University_of_Southern_California> dbpedia-owl:numberOfStudents ?uscStudents .

  <http://dbpedia.org/resource/University_of_California,_Los_Angeles> dbpedia-owl:numberOfStudents ?uclaStudents

}

	USC_STUDENT_COUNT	UCLA_STUDENT_COUNT
1	"39958"^^xsd:integer	"42163"^^xsd:integer

QUERY 2:

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

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

PREFIX dbpediaowl: <http://dbpedia.org/ontology/>

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

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


SELECT DISTINCT ?universityName AS ?UNIVERSITY_NAME WHERE
{
 {
   ?privateUniversitiesInLA <http://dbpedia.org/ontology/type>
<http://dbpedia.org/resource/Private_university> .
 }
 UNION
 {
   ?privateUniversitiesInLA <http://dbpedia.org/property/type>
<http://dbpedia.org/resource/Private_university> .
 }
 {
   ?privateUniversitiesInLA dbpprop:location <http://dbpedia.org/resource/Los_Angeles>
 }
 UNION
 {
   ?privateUniversitiesInLA dbpedia-owl:city <http://dbpedia.org/resource/Los_Angeles>
 }


 ?privateUniversitiesInLA dbpedia-owl:numberOfStudents ?numberOfStudents .
 ?privateUniversitiesInLA rdfs:label ?universityName
  FILTER (LANGMATCHES(LANG(?universityName), 'en'))
}
ORDER BY DESC(?numberOfStudents)
LIMIT 10
```

	UNIVERSITY_NAME
1	"University of Southern California"@en
2	"Loyola Marymount University"@en
3	"Mount St. Mary's College"@en
4	"Occidental College"@en
5	"Concord Law School"@en
6	"Los Angeles Recording School"@en
7	"Woodbury University"@en
8	"Loyola Law School"@en
9	"Southwestern Law School"@en
10	"USC School of Architecture"@en

QUERY 3:

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

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

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

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

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

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

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

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

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


```
SELECT DISTINCT ?campusType AS ?CAMPUS_TYPE, count(?publicUniversitiesInLA) as
?NUMBER_OF_UNIVERSITIES WHERE
{
 {
    ?publicUniversitiesInLA <http://dbpedia.org/ontology/type>
<http://dbpedia.org/resource/Public_university> .
 }
 {
  {
   ?publicUniversitiesInLA dbpprop:location <http://dbpedia.org/resource/Los_Angeles> .
  }
  UNION
  {
   ?publicUniversitiesInLA dbpedia-owl:city <http://dbpedia.org/resource/Los_Angeles> .
  }
 }
{?publicUniversitiesInLA dbpprop:campus ?campusType .}
UNION
{?publicUniversitiesInLA dbpprop:campusType ?campusType .}
```

}GROUP BY (?campusType)

CAMPUS_TYPE	NUMBER_OF_UNIVERSITIES
1	"419.0"^^	"1"^^xsd:integer
2	"Urban"@en	"4"^^xsd:integer
3	dbpr:Urban_area	"5"^^xsd:integer

QUERY 4:

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

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

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

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

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

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

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

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

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

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


SELECT DISTINCT ?universityName AS ?UNIVERSITY_NAME WHERE
{
 {
   {?universities <http://dbpedia.org/ontology/type>
<http://dbpedia.org/resource/Private_university> .}

   UNION

   {?universities <http://dbpedia.org/property/type>
<http://dbpedia.org/resource/Private_university> .}

   UNION

   {?universities <http://dbpedia.org/ontology/type>
<http://dbpedia.org/resource/Public_university> .}

   UNION

   {?universities <http://dbpedia.org/property/type>
<http://dbpedia.org/resource/Public_university> .}
 }
 {?universitiesInLA dbpprop:location <http://dbpedia.org/resource/Los_Angeles> .}

 UNION

 {?universitiesInLA dbpedia-owl:city <http://dbpedia.org/resource/Los_Angeles> .}


  ?universitiesInLA rdfs:label ?universityName
```

```
    FILTER (LANGMATCHES(LANG(?universityName), 'en'))

  ?universitiesInLA dbpprop:established ?establishedUniversities

    BIND (xsd:integer(substr(xsd:string(?establishedUniversities),1,4)) AS ?sortedYears) .

  FILTER (?sortedYears < 1915)

}ORDER BY DESC(?sortedYears)

LIMIT 10
```

	UNIVERSITY_NAME
1	"Natural History Museum of Los Angeles County"@en
2	"Southwestern Law School"@en
3	"Loyola Marymount University"@en
4	"Sacred Heart High School (California)"@en
5	"Immaculate Heart High School (Los Angeles)"@en
6	"Gardena High School"@en
7	"YWCA Greater Los Angeles"@en
8	"Broadway (Los Angeles)"@en
9	"Occidental College"@en
10	"Keck School of Medicine of USC"@en

QUERY 5:

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

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

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

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

SELECT DISTINCT (?albumString) AS ?ALBUM_NAMES SUM(?lengthInInteger) AS ?LENGTH WHERE {

  ?albumNames dbpprop:totalLength ?totalLength .

  ?albumNames dbpprop:name ?albumString .

 ?albumNames dbpprop:length ?length .

 BIND(xsd:integer(?length) AS ?lengthInInteger)

  ?albumNames <http://dbpedia.org/property/title> ?songNames .

   {SELECT ?albumNames WHERE {?albumNames <http://dbpedia.org/ontology/artist>
<http://dbpedia.org/resource/Megadeth> .}}

}

 GROUP BY (?albumString)

 HAVING (count(?songNames)>10)

 ORDER BY(?albumString)

 LIMIT 10

	ALBUM_NAMES	LENGTH
1	"Capitol Punishment:"@en	"123405"^^xsd:integer
2	"Countdown to Extinction"@en	"273168"^^xsd:integer
3	"Cryptic Writings"@en	"911248"^^xsd:integer
4	"Endgame"@en	"26820"^^xsd:integer
5	"Greatest Hits: Back to the Start"@en	"144896"^^xsd:integer
6	"Hidden Treasures"@en	"30276"^^xsd:integer
7	"Killing Is My Business... and Business Is Good!"@en	"46008"^^xsd:integer
8	"Peace Sells... but Who's Buying?"@en	"243846"^^xsd:integer
9	"Risk"@en	"114891"^^xsd:integer
10	"Rust in Peace"@en	"41328"^^xsd:integer

I have fetched all the albums of the band called Megadeth. And summed up the length of all the
songs (the run time of the albums). Sorted it in alphabetically order of the album. And also, only
albums with only more than 10 songs.