Number of Repositories By each Organisations

```
SELECT ?Name (COUNT(?Repository) AS ?RepoCount)
WHERE {
  GRAPH <https://semrepo.org> {
    ?Repository <http://purl.org/dc/terms/creator> ?Organisation.
    ?Organisation <http://www.w3.org/1999/02/22-rdf-syntax-ns#type>
<https://semrepo.org/class/organization>.
    ?Organisation <http://xmlns.com/foaf/0.1/name> ?Name.
  }
}
GROUP BY ?Organisation ?Name
ORDER BY DESC(?RepoCount)
```

Number of Repositories for Specific Topic

```
SELECT ?Topic (COUNT(?Repository) AS ?RepoCount)
WHERE {
  GRAPH <https://semrepo.org> {
    ?Repository <http://www.w3.org/1999/02/22-rdf-syntax-ns#type>
<https://semrepo.org/class/repository>.
    ?Repository <http://xmlns.com/foaf/0.1/topic> ?Topic.
  }
}
GROUP BY ?Topic
ORDER BY DESC(?RepoCount)
Limit 10
```

Number of Repositories using a programming language

```
SELECT ?Language (COUNT(?Repository) AS ?RepoCount)
WHERE {
  GRAPH <https://semrepo.org> {
    ?Repository <http://www.w3.org/1999/02/22-rdf-syntax-ns#type>
<https://semrepo.org/class/repository>.
    ?Repository
<https://semrepo.org/property/hasLanguageReference> ?langRef.
    ?langRef <https://semrepo.org/property/hasLanguageName>
?Language.
  }
}
GROUP BY ?Language
ORDER BY DESC(?RepoCount)
Limit 10
```

Number of Repositories using a programming language as Primary Language

```
SELECT ?Language (COUNT(?Repository) AS ?RepoCount)
WHERE {
```

```
  GRAPH <https://semrepo.org> {
    ?Repository <http://www.w3.org/1999/02/22-rdf-syntax-ns#type>
<https://semrepo.org/class/repository>.
    ?Repository
<https://semrepo.org/property/hasPrimaryProgrammingLanguage>
?langRef.
    ?langRef <https://semrepo.org/property/hasLanguageName>
?Language.
  }
}
GROUP BY ?Language
ORDER BY DESC(?RepoCount)
Limit 10
```

Getting Repository Data for a specific Organisation

```
SELECT ?OrgName ?Repository ?Package ?Topic ?Language
?Contributors ?Forks ?Stargazers
Where {
  GRAPH <https://semrepo.org> {
      <https://semrepo.org/organization/serverlessllm>
<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>
<https://semrepo.org/class/organization>.
      <https://semrepo.org/organization/serverlessllm>
<http://xmlns.com/foaf/0.1/name> ?OrgName.

      ?Repository <http://purl.org/dc/terms/creator>
<https://semrepo.org/organization/serverlessllm>.
      ?Repository <https://semrepo.org/property/usedPackage>
?Package.
      ?Repository <http://xmlns.com/foaf/0.1/topic> ?Topic.
      ?Repository
<https://semrepo.org/property/hasLanguageReference> ?langRef.
      ?langRef <https://semrepo.org/property/hasLanguageName>
?Language.
      ?Repository
<https://semrepo.org/property/hasTotalContributor> ?Contributors.
      ?Repository <https://semrepo.org/property/hasTotalForks>
?Forks.
      ?Repository
<https://semrepo.org/property/hasTotalStargazers> ?Stargazers.
  }
}
```

Top 5 contributors with most commits overall

```
SELECT ?contributor (SUM(?no_of_commits) AS ?total_commits)
WHERE {
```

```
    GRAPH <https://semrepo.org> {
        ?contRef <https://semrepo.org/property/hasContributor>
?contributor.
        ?contRef <https://semrepo.org/property/hasCommits>
?no_of_commits.
    }
}
GROUP BY ?contributor
ORDER BY DESC(?total_commits)
LIMIT 5
```

Top 5 contributors with most commits with SemOpenAlex profile

```
SELECT ?contributor ?soa_url (SUM(?no_of_commits) AS
?total_commits)
WHERE {
  GRAPH <https://semrepo.org> {
        ?contRef <https://semrepo.org/property/hasContributor>
?contributor.
        ?contRef <https://semrepo.org/property/hasCommits>
?no_of_commits.
        ?contributor <https://semrepo.org/property/hasSoaUrl>
?soa_url.
    }
}
GROUP BY ?contributor ?soa_url
ORDER BY DESC(?total_commits)
LIMIT 5
```

Top collaborations of contributor

```
SELECT ?person1 ?name1 ?person2 ?name2 (COUNT(?repo) as
?collaborationCount)
WHERE {
  GRAPH <https://semrepo.org> {
    ?repo a <https://semrepo.org/class/repository> ;
          <https://semrepo.org/property/hasContributorReference>
?ref1, ?ref2 .
    ?ref1 <https://semrepo.org/property/hasContributor> ?person1 .
    ?ref2 <https://semrepo.org/property/hasContributor> ?person2 .
    ?person1 <http://xmlns.com/foaf/0.1/name> ?name1 .
    ?person2 <http://xmlns.com/foaf/0.1/name> ?name2 .
    FILTER(?person1 != ?person2)
  }
}
GROUP BY ?person1 ?name1 ?person2 ?name2
ORDER BY DESC(?collaborationCount)
LIMIT 100
```

__Programming Languages Used for each topic__

```
SELECT ?topic ?progLang (COUNT(?progLang) AS ?langCount)
WHERE {
  GRAPH <https://semrepo.org> {
       ?repository
<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>
<https://semrepo.org/class/repository>.
       ?repository <http://xmlns.com/foaf/0.1/topic> ?topic.
       ?repository
<https://semrepo.org/property/hasLanguageReference> ?langref.
       ?langref <https://semrepo.org/property/hasLanguageName>
?progLang.
   }
}
GROUP BY ?topic ?progLang
ORDER BY DESC(?langCount)
LIMIT 100
```