

**SOQL(Salesforce Object Query Language):**

- SOQL is a Salesforce Object Query Language, retrieves the records from the database by using SELECT keyword.
- SOQL is used if we know in which object the data is present.
- It is used to retrieve records from salesforce org's object.
- In SOQL we can query data from single object and as well as multiple objects that are related to each other.
- We can query on all fields of any datatype.
- We can perform aggregation in database level
- We want to sort results as part of the query.
- We can use SOQL in Triggers and classes.
- We can perform DML operation on query results.

**SOSL(Salesforce Object Search Language):**

- SOSL is a Salesforce Object Search Language, retrieves the records from the database by using the FIND keyword.
- SOSL do text-based searching in salesforce orgs.
- To retrieve data for a particular division in an organization using the division's feature.
- SOSL is used if we don't know in which object the data is present.
- We can retrieve multiple objects and field values efficiently when the objects may or may not be related to each other.
- We can query only on fields whose data type is text, phone and Email.
- We can use in classes but not in Triggers.
- We cannot perform DML operation on search result.

**Governor Limit:**

1. Total number of SOQL queries issued **100 (Synchronously)**
2. Total number of SOQL queries issued for Batch Apex and future methods **200 (Asynchronously)**
3. Total number of records retrieved by SOQL queries **50,000**
4. Total number of records retrieved by Database.getQueryLocator **10,000**
5. Total number of SOSL queries issued **20**
6. Total number of records retrieved by a single SOSL query **200**