1.

insert sObject

update sObject

delete sObject

undelete sObject

upsert sObject

2.

Account acc= new Account();

acc.Name= 'saif';

insert acc;

List<Account> accList= new List<Account>();

Account acc1= new Account();

acc1.Name= 'saif';

accList.add(acc1);

Account acc2= new Account();

acc2.Name= 'neha';

accList.add(acc2);

insert accList;

Account acct = [SELECT Id, BillingCity FROM Account WHERE Name ='saif' LIMIT 1];

acct.BillingCity = Darbhanga';

update acct;

Account acct = [SELECT Id FROM Account WHERE Name ='saif' LIMIT 1];

delete acct;

Account[] savedAccts = [SELECT Id FROM Account WHERE Name ='saif' ALL ROWS];

undelete savedAccts;

List<Account> accList = new List<Account>();

// we add some data into it

upsert accList ExtIDField\_\_c;

3.

List<Account> accList=[SELECT Name,(SELECT lastName from Contacts) from Account where Name LIKE '%saif%'];

for(Account acc : accList){

acc.Name=acc.Name+'-India';

for(Contact cnt : acc.Contacts){

cnt.lastName= cnt.lastName+'--Bihar';

}

}

// Now you can see here, we have changed the name of account and Lastname of contact

// if we want to update it we can't update these in a single statemnent

update accList;

// it will only update the accList , not contact of it

// for that we will need a new conatctlist and update statement

List<Contact> cntList= New List<Contact>();

for(Account acc : accList){

for(Contact cnt : acc.Contacts){

cntList.add(cnt);

}

}

update cntList;

4.

Account acct = [SELECT Id, BillingCity FROM Account WHERE Name ='saif' LIMIT 1];

acct.BillingCity = Darbhanga';

try{

update acct;

}Catch(Exception e){

System.debug(e.getLineNumber());

Sytem.debug(e.getMessages());

}

5.

Database.insert(sObject records, Boolean allorNone);

Database.upsert(sObject records, Boolean allorNone);

Database.update(sObject records, Boolean allorNone);

Database.delete(sObject records, Boolean allorNone);

**6.**

List<Account> accList= new List<Account>();

Account acc1= new Account();

acc1.Name= 'saif';

accList.add(acc1);

Account acc2= new Account();

acc2.Name= 'neha';

accList.add(acc2);

Database.insert(accList ,false);

// partial success , if one fails , other can be inserted

Database.insert(accList ,true);

// ful success , either both or none can be inserted

7.

Contact[] cnts = new List<Contact>{

new Contact(LastName='cnt of Atul', Phone='+919897699028'),

new Contact()};

Database.SaveResult[] srList = Database.insert(cnts, false);

// Iterate through each returned result

for (Database.SaveResult sr : srList) {

if (sr.isSuccess()) {

// Operation was successful, so get the ID of the record that was processed

System.debug('Successfully inserted Contact. Contact ID: ' + sr.getId());

}

else {

// Operation failed, so get all errors

for(Database.Error err : sr.getErrors()) {

System.debug('The following error has occurred.');

System.debug(err.getStatusCode() + ': ' + err.getMessage());

System.debug('Contact fields that affected this error: ' + err.getFields());

}

}

}

8.

List<sObject> multipleObjRecords= new List<sObject>();

Account acc = new Account(Name = 'Saif');

Contact con = new Contact(lastName='test 1' , email='abc@gmail.com');

multipleObjRecords.add(acc);

multipleObjRecords.add(con);

insert multipleObjRecords;

9.

List<Account> accList=[SELECT Name,(SELECT lastName from Contacts) from Account where Name LIKE '%saif%'];

for(Account acc : accList){

acc.Name=acc.Name+'-India';

for(Contact cnt : acc.Contacts){

cnt.lastName= cnt.lastName+'--Bihar';

}

update acc.Contacts;

}

update accList;

// if count of update command is less than 150, no issue but when it cross 150, dml exception limit error will be there

// because update command is within the for loop