Q1 Why do we use DML statements?

Q2 What is the use of upsert statements? And how does it work?

Q3 What is the usage of a merge statement?

Q4 Merge statement is applicable on which objects? Contacts,lead and Account.

Q5 Why do we use the Undelete statement?

Q6.Give a difference between upsert and insert statement.

Q7.Write a governor limit for using Dml statements.

Q8.What is the purpose of External id when using Upsert statement.

## Questions on Try

Q1.Can we have a try block without a catch block?

Q2.Can a try block have multiple catch blocks?

Q3.Which class is there to handle DML related exceptions?

Q4.How many types of exceptions in class?

Q5.What is the return type of database.delete() method?

Q6.What is the return type of database.insert() method?

Q7.Explain Getmessage,getlinenumber,getfields and getstatuscode.

Q8.What is the purpose of Finally block

Merge →Accounts ,lead and contact

**Error:**An error is a situation in which  a program stops working or program is not giving you any desired results.

**Types of Errors:**

**1)Compile type errors/syntax errors:**

These errors arise or occur when the syntax of the program is wrong.Ex missing semicolon or missing braces.

**2) Logical Errors**:Logical errors are the errors which occur when the logic of a program is incorrect.Means we are not getting the desired output/result.

**3)Runtime error:**are the errors that occur at the execution time.Ex: required field missing ,list had more than 1 row for assignment.

**To handle Exceptions:**

**Try Block**

**Catch Block**

**Finally Block**

**Try**

**{**

**// set of statements they may raise exception**

**Insert s1; // there is some error in this statement**

**}**

**Catch(DMLException e)// dmlexception [all handle dml specific handler]**

**{**

**//statements to handle the exception**

**// specific Exception Handler**

**}**

**Catch(Exception[Name of Exception] e)**

**{**

**//Generic Exception handler**

**}**

**Finally**

**{**

**// it executes every time irrespective of the error and it is optional for the user.**

**}**

**Catch:-->**

**1)Dmlexception[Handle errors of all dmls]**

**2)General exception[Nullpointer Exception]**

**Error handle:**

1. **GETMESSAGE()**

2. **GETLINENUMBER();**

## Database Class

Database class methods **return the results of the data operation**. These result objects contain useful information about the data operation for each record, such as whether the operation was successful or not, and any error information.

## Database class Methods:

## All these methods are static

1)database.insert()-->saveresult

2)Database.update()-->saveresult

3)database.delete()-->deleteresult

4)database.undelete()

5)database.merge()

6)database.upsert()

## Benefits of using database class method:

1)Partial processing of records is possible.

2)No exceptions are thrown hence,no need to try -->catch block.

**database.insert(<recordset>,allornone='default/true'--- set a false to specify)**

**Database.saveresult is used for checking the functionality of a method.**

**i) issuccess[Boolean Method returns true or false]**

**ii)getid[Return Me Id of Record]**

**Database.geterror()**

**i) geterrors**

**ii)getstatuscode**

**iii)getfields**

**iv)getmessage**

**v)getlinenumber //USE in try only**

**Database.Insert–<saveresult**

**Database.delete–<DeleteResult**