

Workflow Rules vs. Process Builder vs. Flow

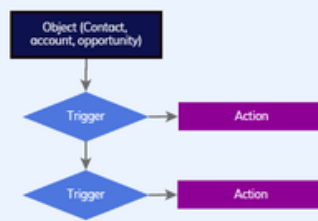
Workflow Rules

Single Trigger & Follow Actions



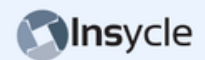
Process Builder

Multiple Triggers & Actions



Flow Builder

Multiple Triggers & Logic Pathways



Order of Execution in Salesforce



```

/**** Syntax for writing TRIGGER ****/

/*  trigger FirstTrigger on Account (trigger_events)
{
    //code-block
}
*/

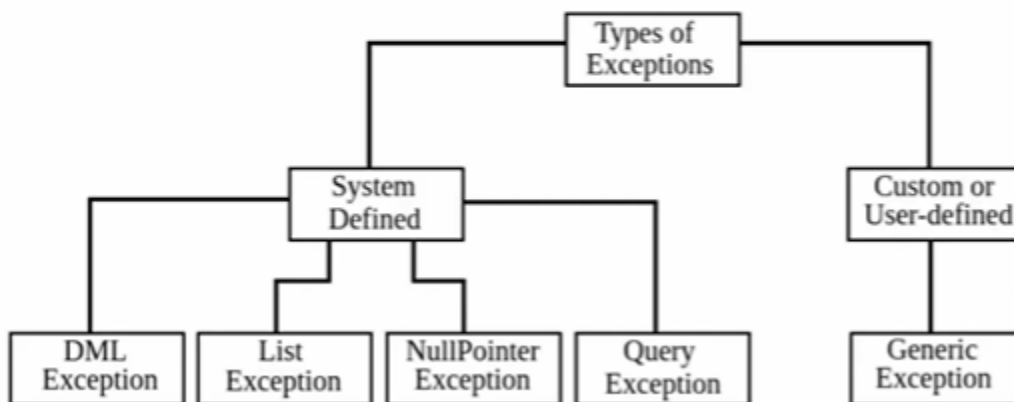
/***** TRIGGER EVENTS *****/

//      1) Before insert
//      2) Before update
//      3) Before delete
//      4) After insert
//      5) After update
//      6) After delete
//      7) After undelete

//***** NOT ALLOWED as we cannot delete Trigger.new

```

Type of Exceptions



```
// ***** 1.) DMLEException *****

try
{
    Account a = new Account();
    insert a;
}
catch(DMLEException de)
{
    System.debug('Record cannot be inserted '+de.getMessage());
}

// ***** 2.) ListException *****

try
{
    List<String> stList = new List<String>{'Aman','Ashish','Dee

    System.debug(stList.get(0));           // 'Aman'
    System.debug(stList.get(1));           // 'Ashish'
    System.debug(stList.get(2));           // 'Deepika'

    System.debug(stList.get(3));           // Will throw a Lis
                                           // Or The index 3 d

}
catch(ListException le)
{
    System.debug('There is no value on this index: '+le.getMess
}

// ***** 3.) NullPointerException *****

try
{
    // Example 1

    integer a;

    integer b = a*8;           // Will throw a NullPointerException
                               // a which is null Hence whenever we
                               // stores null then apex throws a Nu

    // Example 2

    List<integer> iList ;

    iList.add(30);             // Throws NullPointerException as il

```

```
// ***** 4.) QueryException *****

try
{
    Account a = [Select Name from Account where Name = 'Disney']; //
                                                                    //
                                                                    //
                                                                    //

    Account b = [Select Name from Account where Name = 'Any Company']; //
}
catch(QueryException qe)
{
    System.debug('There is a problem with this query: '+qe.getMessage());
}

// ***** 5.) sObjectException *****

try
{
    List<Account> acclist = [Select Name from Account];

    for(Account a:acclist)
    {
        System.debug(a.NumberOfEmployees); // You are try:
                                              // Hence it wi:
    }
}
catch(sObjectException soe)
{
    System.debug('There is a problem with this query: '+soe.getMessage());
}
```

```

public class ExceptionHandling4
{
    public static void myMethod(integer i)
    {
        // ***** Common Exception Methods

        try
        {
            if(i==0)
            {
                integer a;
                integer b = a*5;           // Throw NullPointerException
            }
            else
            {
                Account acc = new Account();
                insert acc;                // Throw DMLEException
            }
        }

        {
            System.debug(e.getCause());    |    // Returns the cause of the exception

            System.debug(e.getLineNumber()); // Returns the line number from where the
                                              // exception was thrown.

            System.debug(e.getMessage());    // Returns the error message that display
                                              // for the user.

            System.debug(e.getStackTraceString()); // Returns the stack trace as a string

            System.debug(e.getTypeName());    // Returns the type of exception

```