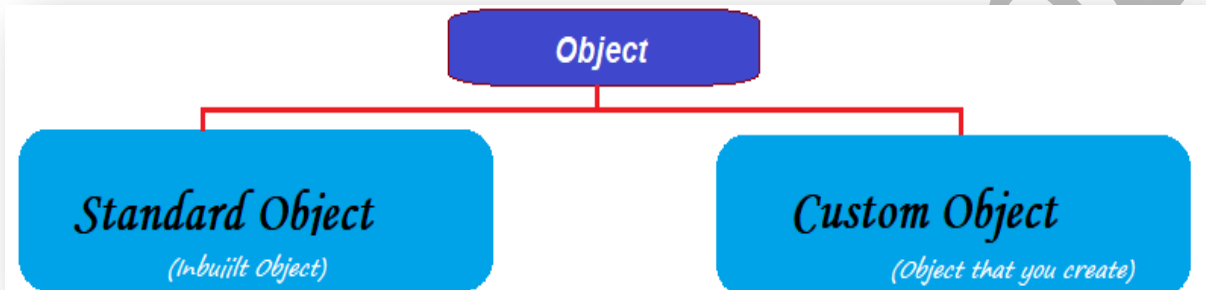


Object :

1. Objects are nothing but tables in the regular database.
2. Any data stored in the salesforce will be saved to objects.
3. It consist of Field (columns) and record (rows)
4. There are two types of objects
 - a. Standard Objects.
 - b. Custom Objects



4. Standard Objects:

- a. Objects which are created by the salesforce are called standard objects.
Example: Account, Contact, User, Profile , UserRole, Lead, Opportunity etc.,
- b. Standard Objects cannot be deleted but can be customized.



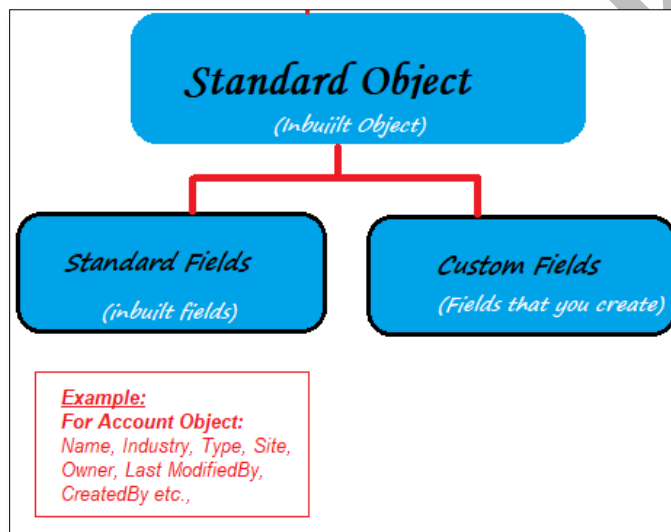
Object consists of fields to store specific type of data. Example shown below is a representation of data from an Account object and its fields.

Fields are nothing but columns in tables. For standard object Account, we have fields such as “Account Owner”, “Account Name”, “Industry”, “Billing City” etc., as shown in the screen shot below.

The record highlighted box denotes a row in the object called as “**Record**” (or Phil Smith record).

	A	B	C	D
1	Account Owner	Account Name	Industry	Billing City
2	Phil Smith	ABC Labs	Biotechnology	San Jose
3	Phil Smith	Acme Inc.	Manufacturing	Atlanta
4	Phil Smith	Acme-NY	Manufacturing	New York
5	Phil Smith	American Bank	Banking	Charlotte
6	Phil Smith	American Package	Shipping	Atlanta
7	David Hudson	American Package_UK	Shipping	London
8	Phil Smith	AMP Industries	Manufacturing	San Francisco
9	Phil Smith	AmShip Corporation	Shipping	Memphis
10	Phil Smith	Arbuckle Laboratories	Biotechnology	Arbuckle Park
11	David Hudson	Arbuckle Laboratories - Austria	Biotechnology	Vienna
12	David Hudson	Arbuckle Laboratories - France	Biotechnology	Paris
13	Anjana Shah	Arbuckle Laboratories - Germany	Biotechnology	Weisbaden
14	Phil Smith	Cable Inc.	Entertainment	New York
15	Jin Chang	Canson	Technology	Ohta-ku

Admin can also create new custom fields under standard object to capture your business specific information.



Record -A collection of fields that store information about a specific item of a specific type (represented by an object), such as a contact, an account, or an opportunity.

For example, you might have a contact record to store information about Joe Smith, and a case record store information about his training inquiry.

There are different types of Fields available in Salesforce to capture the data specific to your business need.

Example shows the Account Object and its fields such as Account Name is text type to store company name, Phone is to store phone number and Annual Revenue is to hold currency value.

Column / Field	Id	Account Name	Site	Phone	Industry	AnnualRevenue
Record	0017F00000Jloh	CTS	India	123	IT	\$50000
		Talyor	US	3563	Communication	

5. Custom Objects :

- These are the objects created by user to meet his organizational business requirement.
 - All the custom objects are appended with __c (double underscore with character 'c')
- Example : Training__c, Department__c , Employee__c ,Project__c .

6. Steps to create Custom Objects

a. Classic :

Setup

|--->Build

|--->Create

|--->Objects

|--->New Custom Objects

b. Lightning:

Setup

|---> Platform tools

|---> Objects and Fields

|---> Create New Object

Step 1: Enter Object Label

Example: Training

Note : Objects are displayed on the User Interface with object Label

Step 2: Enter Plural Label

Example : Trainings

Note : If we create a tab for this object ,label that should be display on the tab is called plural Label.

Step 3: Enter Object Name

Example : Training

Note : Name used to refer the object in API (Program) .

Step 4: Context sensitive help

- On Every object salesforce provides help for this page Link.
- When we click on the link which document should be opened is defined using this settings.
 - Open the standard Salesforce.com Help and Training window.
If this option is selected salesforce standard document will be opened.

b. Open a window using a Visualforce page .

If we choose this option we can create our own visualforce page as help document.

Step 5:: Record Name Label and DataType

- a. Salesforce by default on every custom object creates one standard field with name "Name".
- b. With what label this field should be displayed on the ui is define as Record Name Label.
- c. This is a required field.
- d. This will accept only Text and AutoNumber as datatype.
- e. If we choose the data type as Text ,This will accept alphanumeric data and user has to manually enter the data.
- f. If we choose the data Type as Autonumber, Then system will generate the data based on the format what we have given .

Example :

Format : DPT{0000}

Start : 0

DPT00001

DPT00002

DPT00003

Format : OR-{000}

Start : 501

OR-501

OR-502

Format : {mm}{dd}{000}

Start :1

1029001

1029002

Step 6: Optional Features:

These options can be enabled or disabled at any stage of the application

- a. Allow Reports : If you enable this option, we can create reports on this object data.
- b. Allow Activities : If you enable this option we can create Events and Tasks on this object.
- c. Track Field History : If you enable this option we can track the changes made on the fields of this object .
- d. Allow in chatter Group: If you enable this option we can create chatter groups on this object.

Step 7: Object Classification:

- a. Allow Sharing
- b. Allow Bulk API Access
- c. Allow Streaming API Access

Note : If we enable all the three options then it is Enterprise Application object.

If we disable any one of this option we call it as Lightning application object.

Step 8 : Deployment Status :

In Development: If we enable this option only Administrator will be able to access this object ,no other user can see this object .

Deployed : If we enable this option, then all the users in the organization can access this object based on security model of the organization.

Step 9: Allow Search : If we enable this option content of this object can be searched from global search.

Step 10: Object Creation Option:

These options can be enabled or disabled only at the time of creating an object.

- Add Notes and Attachments related list to default page layout.
- Launch New Custom Tab Wizard after saving this custom object.

Schema Builder:

1. We can also build custom objects using Schema builder.

2. Setup

|--->Build

|--->Develop

|--->Lightning Bolt

|--->Schema Builder

|--->Elements

|--->Drag and drop objects icon.

Q:: In How many ways we can create custom objects?

A:: Three ways

- Standard Navigation
- Schema Builder
- Metadata SOAP API web service

Q:: Objects falls under which part of MVC ?

A:: Model

Q:: How many custom objects we can create in the salesforce ?

A:: It depends on the edition .

Unlimited Editions	: 2000
Enterprise	: 200
Developer	: 400
Professional	: 50

Note : In salesforce every object has three character unique Id (Entity Id).

Account	-- 001
Contact	-- 003
User	-- 005
Opportunity	-- 006
Profile	-- 00e
Lead	-- 00Q
Order	-- 801
Case	-- 500
Solution	-- 501
Training__c	-- a01

Usecase1: Create Custom Objects.

a.Object :Department

Record Name Label	: DepartmentNo
Name Field	: AutoNumber
Format	: DP-{000}
Start	: 1

b.Object :Employee

Record Name Label	: EmpNo
DataType	: AutoNumber
Format	: EMP{mm}{000}
Start	: 1

c.Object :Project

Record Name Label	: ProjectNo
DataType	: AutoNumber
Format	: PRJ-{00}
Start	: 1

c.Object :Trainee

Record Name Label	: Trainee
DataType	: AutoNumber
Format	: TRN-{00}
Start	: 1