**Salesforce Lightning Flows:**

* An automation tool to helps the admin to create or implement business requirement
* Helps to business UI Components
* We can work with CRUD Operation
* Flows with apex makes low code
* No code automation

**Limitation of Flows:**

* Not a complete automation no code tool
* Cannot manage complicated logic
* Be clear with numbers like(number of flow versions, number of elements inside the loop, DML Limits)

**Types of Flows:**

* Screen Flow
* Record Triggered flow
* Schedule triggered flow
* Platform event triggered flow
* Autolaunched flow

**Screen Flow:**

* Used to build user interactive screen

**Record Triggered flow:**

* No user interaction – runs in background
* Executes when a record created,updated or deleted

**Schedule triggered flow:**

* Executes in specified interval
* Runs in background

**Autolaunched flow:**

* Execute when invoked from apex or called within flow(also called as sub flow)
* Runs in background(No user interaction)
* Can be reused

**Platform event triggered flow:**

* Platform is an event driven based architecture available in salesforce which helps app to communicate each other
* Execute when platform event message received from external/internal apps
* Run in background

**Flow Activation:**

* Once activated then we cannot modify
* Max 50 version we can have in a single flow

**Flow Layout:**

* Free Form
* Auto Layout

**Resources:**

* Screen components
* Variable,constant,formula,text,etc

**Eléments :**

**Interaction**🡪Screen,action,subflow

**Logic**🡪Assignment,Decision,Loop,Collection sort,Collection filter,Transform

**Data**🡪Get,Create,Update,Delete,rollback

Key:

* For Email screen component after entering the valid input when we move onto next screen then again come back to previous screen then entered value will be available for text whereas email there wont be entered data, So go for settings button 🡪 show advanced 🡪API versions for running the flow 🡪 59..

For the same older version also we can achieve with some workaround if we assign a **variable to value field of email**

**Input Validation:**

* Validation rule will fire when formula entered false

Section🡪Used to separate into two columns

**Types of choices:**

* Choice🡪created with hard coded value
* Picklist choice set🡪choice from picklist field
* Record choice set🡪choice created from records
* Collection choice set🡪choice created from record collection

Key:

* **Wen u want to get the choice label** then bind the screen component radio button **but if u want to get the choice value** then choose assignment and create a variable and then assign the radio button to it
* Based on radio button value or choosing the choice set will work for component visibility

**Check Box Group:**

* Help a screen flow to select more than one value
* Convert radio button to checkbox group by choosing multiple options or can choose from components

**Multi Select Picklist:**

**Lookup Component:**

Req Fields:

* **API Name:** Used to identify component in the flow
* **Label:** Text for labelling the component
* **Field API Name:** API Name of the field you want to access
* **Object API Name:** API Name of the object where the above field resides
* **Maximum Selection:** No of records that can be selected
* **Record Id:** Returns the selected record id
* **Record Id Collection:** Returns the selected record id as collection
* **Record Name:** Returns the recently selected record name

Key:

* Polymorphic relationship(relationship fields that are related to more than one object) are not supported

Ex:Task object 🡪whoid,whatid

* Does not support lookup filters

**Choice Lookup Component:**

* Allow user to select the choices like lookup component

**Key:**

* If we need to get current page record id then create a variable and check **available for input**

Fault Path:

* For error message in fault message we can assign a global variable 🡪Flow.Faultmessage

**Record Triggered flows:**

* For simple and straightforward scenarios
* No user interaction

Types:

* Fast Field Update(Before save record triggered flow):Update the field in the same record
* Action and related records(After save record triggered flow):CRUD on related records/calling any actions(out of the box/custom)

**Flow trigger explorer:**