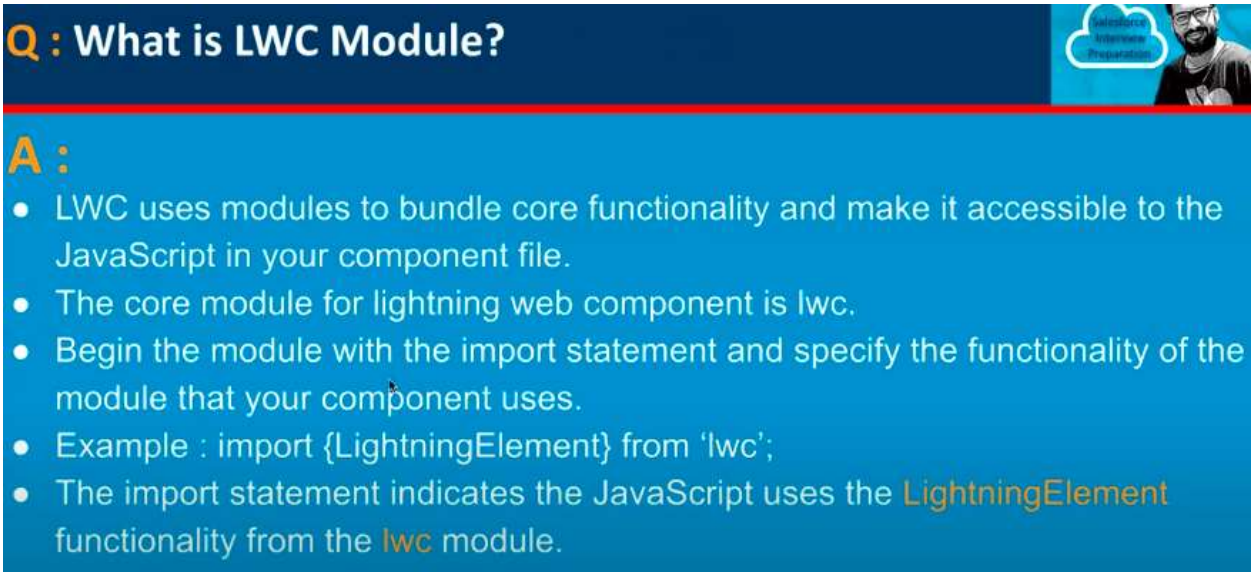
1.


Q : What is LWC?
A :
• LWC stands for Lightning Web Component.
• LWC is an implementation of the W3C's web component standards.
• It supports the parts of web components that works in browser and adds parts supported by Salesforce as well.
• Quick component development because developer has to use only HTML, CSS and JavaScript.

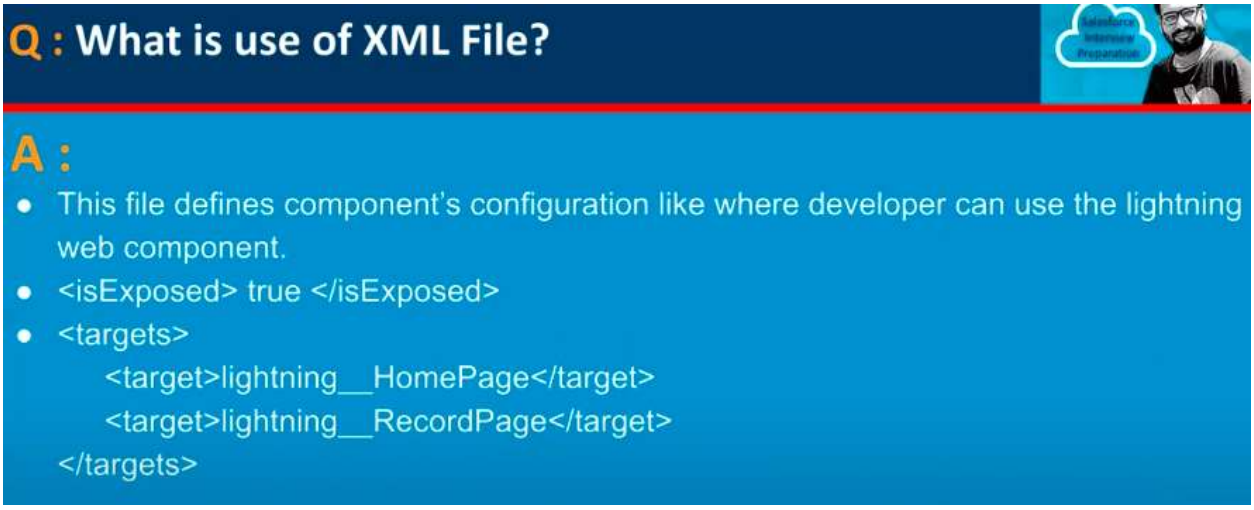
2.


Q : Lightning Web Component Files?
A :
• test.html
• test.js
• test.css
• test.js-meta.xml

3.


Q : What is LWC Module?
A :
• LWC uses modules to bundle core functionality and make it accessible to the JavaScript in your component file.
• The core module for lightning web component is lwc.
• Begin the module with the import statement and specify the functionality of the module that your component uses.
• Example : import {LightningElement} from 'lwc';
• The import statement indicates the JavaScript uses the LightningElement functionality from the lwc module.

4.


Q : What is use of XML File?
A :
• This file defines component's configuration like where developer can use the lightning web component.
• <isExposed> true </isExposed>
• <targets>
<target>lightning__HomePage</target>
<target>lightning__RecordPage</target>
</targets>

5.


Q : Can Aura Component contain Lightning Web Component?
A :
• Yes

6.


Q : Can Lightning Web Component contain Aura Component?
A :
• No

7.


Q : Can a Lightning Web Component call another Lightning Web Component?
A :
• Yes

8.

Q : Camel Case Vs Kebab Case?

A :

- LWC match web standards wherever possible. The HTML standard requires that custom element names contain a hyphen.Since all LWC have a namespace that's separated from the folder name by a hyphen, component names meet the HTML standard.
- For example, the markup for the Lightning web component with the folder name widget in the default namespace c is <c-widget>.

- However, the Salesforce platform doesn't allow hyphens in the component folder or file names. What if a component's name has more than one word, like "mycomponent"? You can't name the folder and file my-component, but we do have a handy solution.
- Use camel case to name your component like myComponent. Camel case component folder names map to kebab-case in markup. In markup, to reference a component with the folder name myComponent, use <c-my-component>.

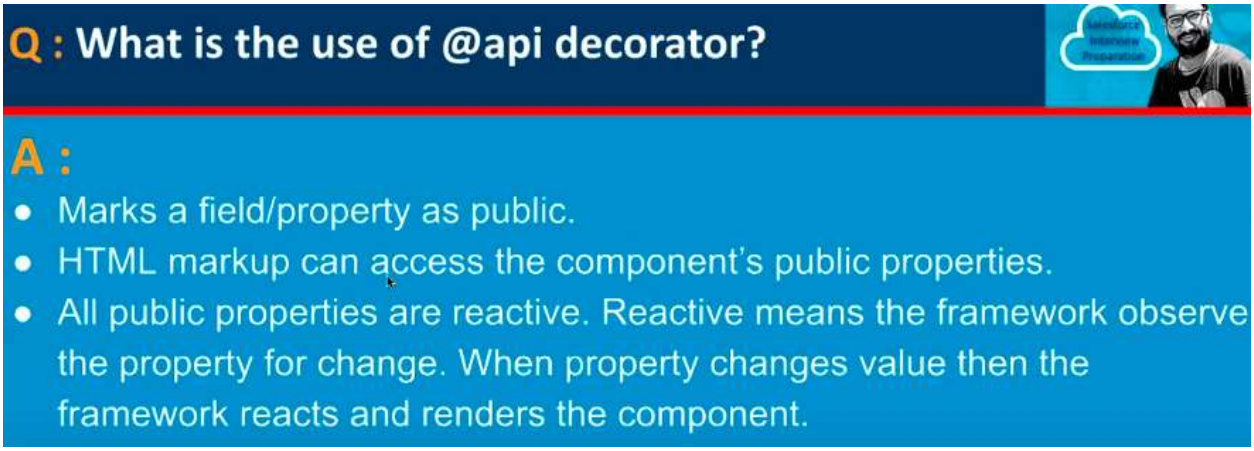
9.

Q : What is decorator ?

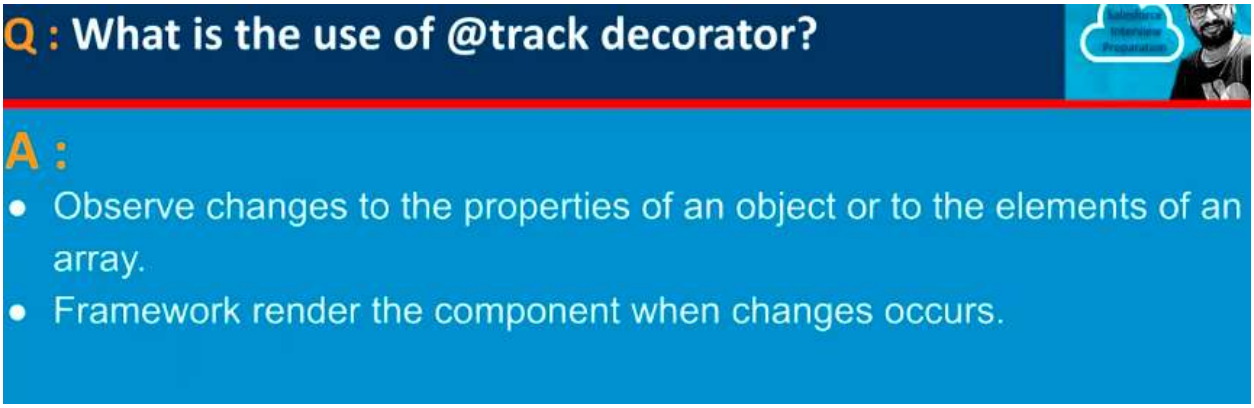
A :

- Decorators are often used in JavaScript to modify the behavior of a property or function.
- Examples:
  - @api
  - @track
  - @wire

10.


Q : What is the use of @api decorator?
A :
• Marks a field/property as public.
• HTML markup can access the component's public properties.
• All public properties are reactive. Reactive means the framework observe the property for change. When property changes value then the framework reacts and renders the component.

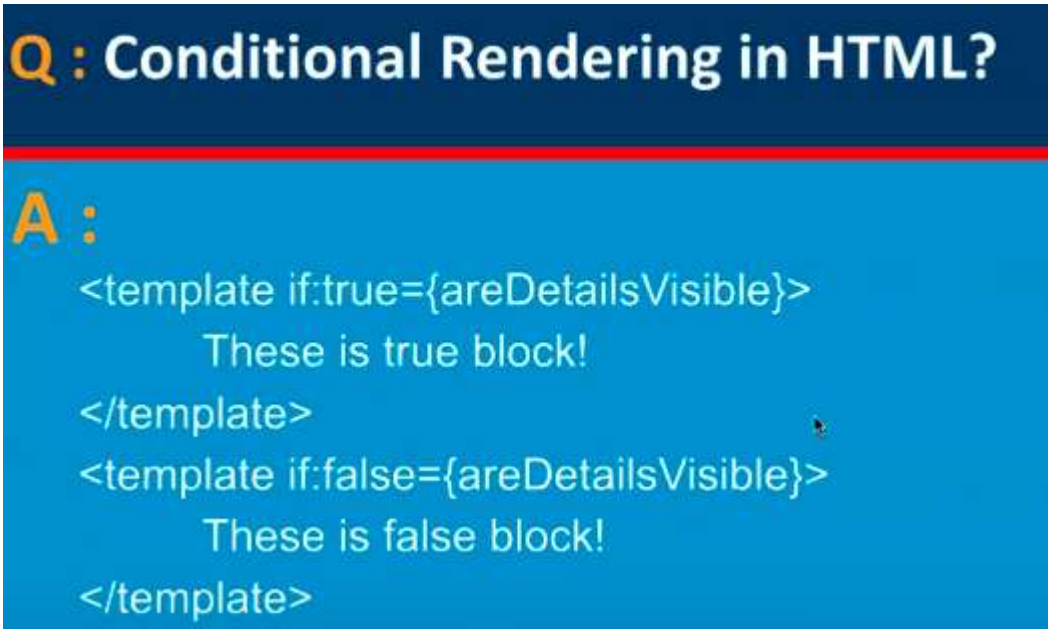
11.


Q : What is the use of @track decorator?
A :
• Observe changes to the properties of an object or to the elements of an array.
• Framework render the component when changes occurs.

12.


Q : What is the use of @wire decorator?
A :
• It provides a way to get and bind data from a Salesforce Org.

13.

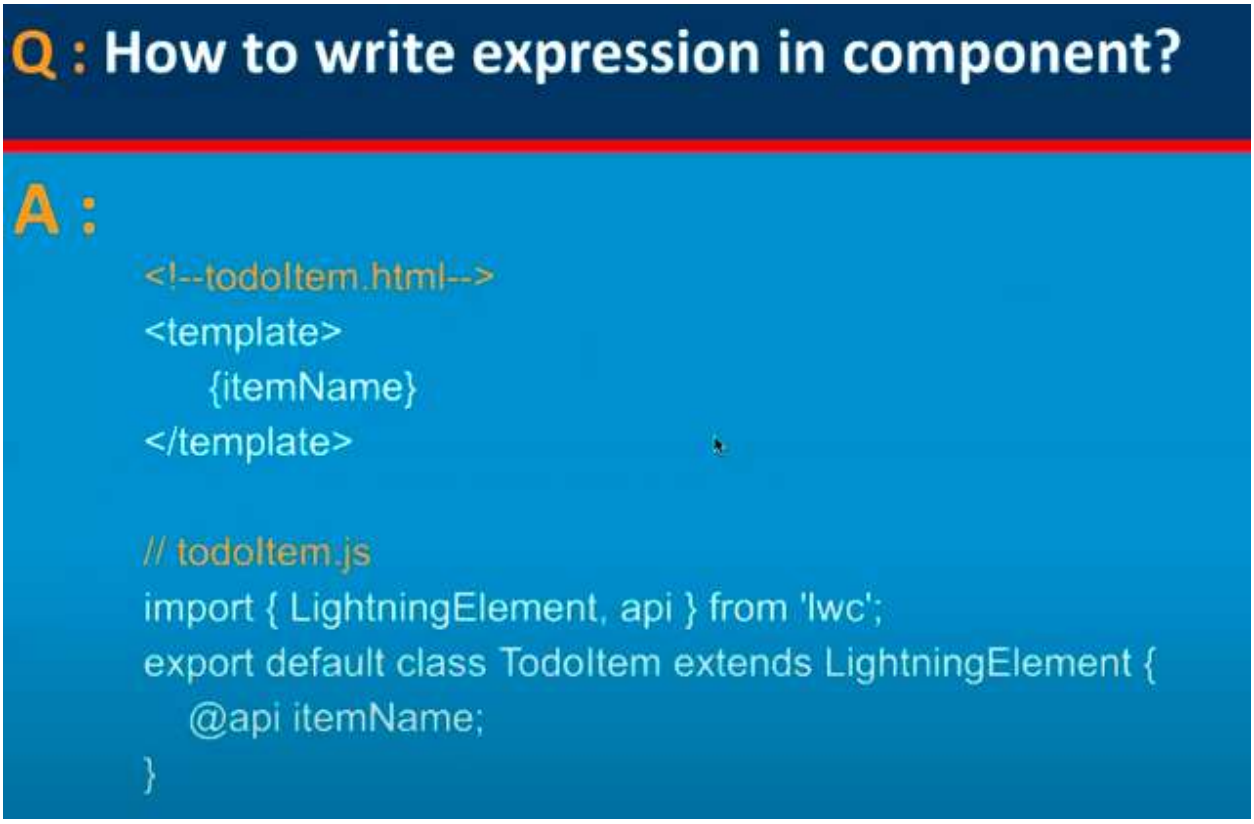

Q : Conditional Rendering in HTML?
A :
<template if:true={areDetailsVisible}>
These is true block!
</template>
<template if:false={areDetailsVisible}>
These is false block!
</template>

14.

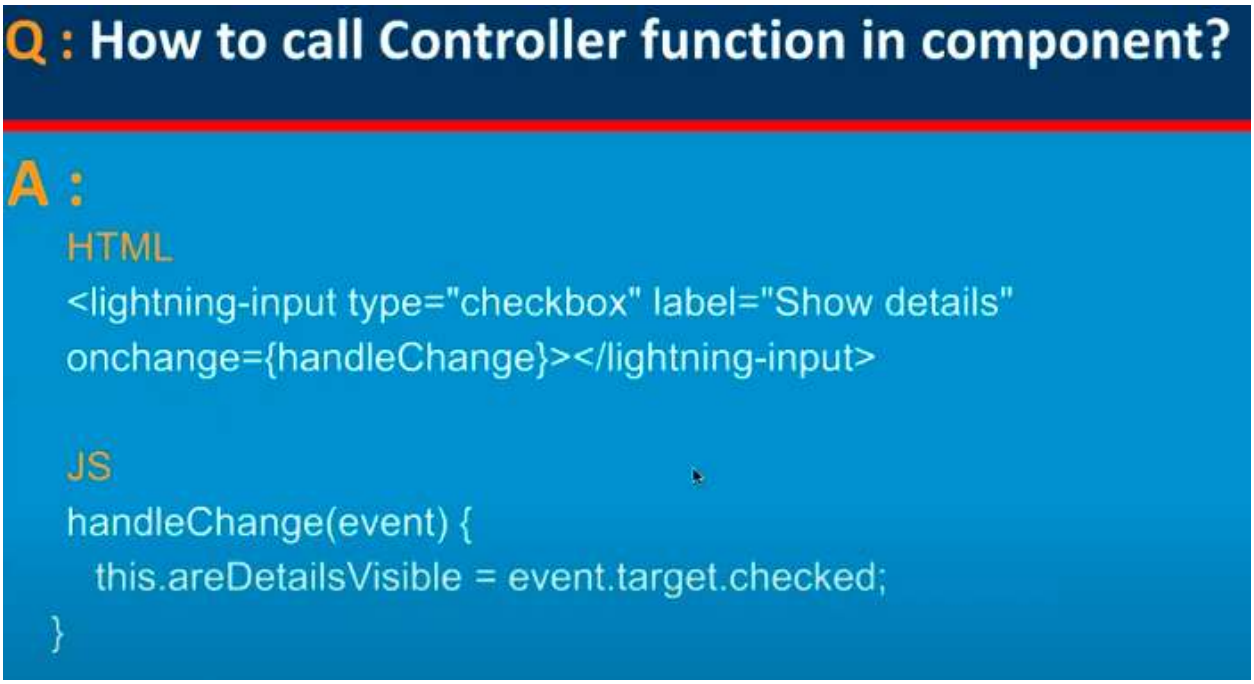

Q : Rendering List in HTML?
A :
<template for:each={contacts} for:item="contact">
<li key={contact.Id}>
{contact.Name}, {contact.Title}

</template>

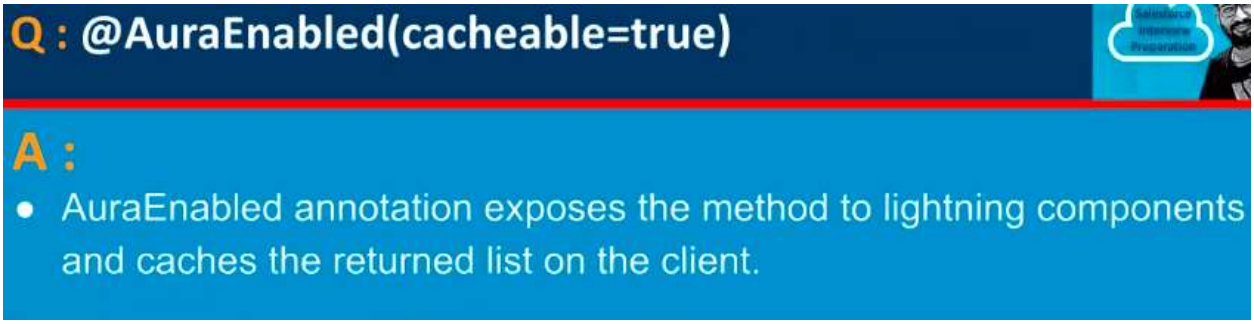
15.


Q : How to write expression in component?
A :
<!--todoItem.html-->
<template>
{itemName}
</template>
// todoItem.js
import { LightningElement, api } from 'lwc';
export default class TodoItem extends LightningElement {
@api itemName;
}

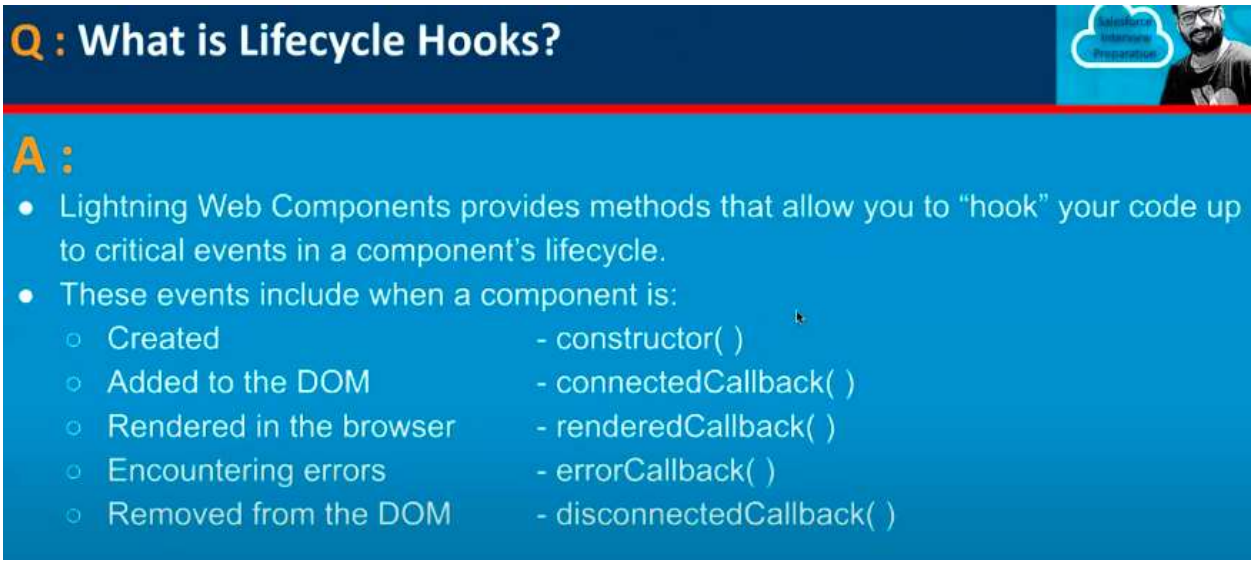
16.


Q : How to call Controller function in component?
A :
HTML
<lightning-input type="checkbox" label="Show details"
onchange={handleChange}></lightning-input>
JS
handleChange(event) {
this.areDetailsVisible = event.target.checked;
}

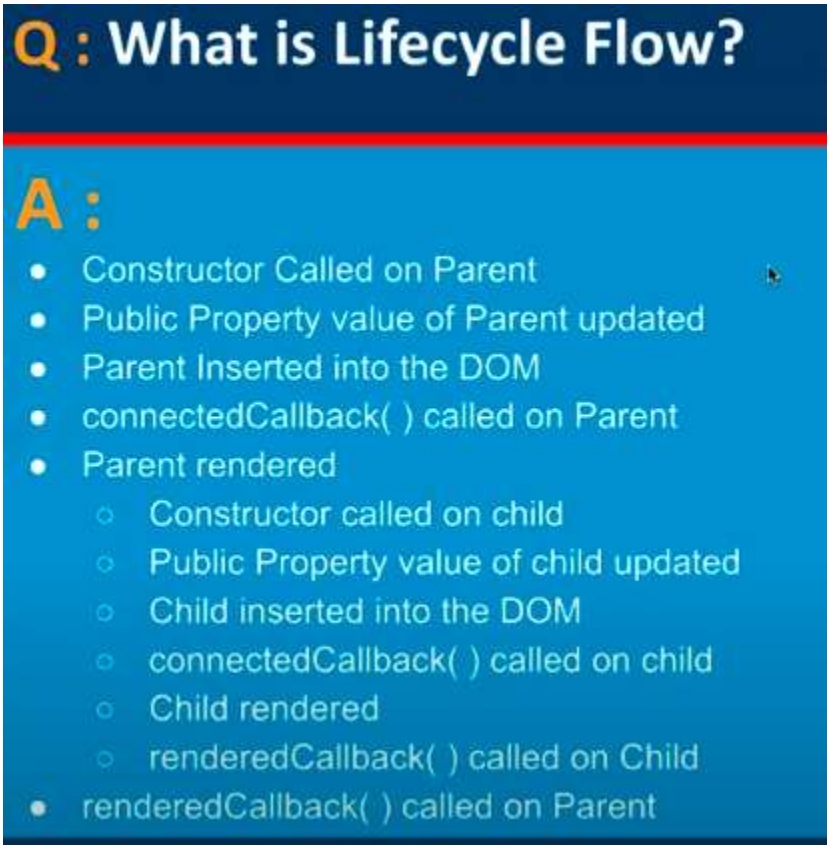
17.


Q : @AuraEnabled(cacheable=true)
A :
• AuraEnabled annotation exposes the method to lightning components and caches the returned list on the client.

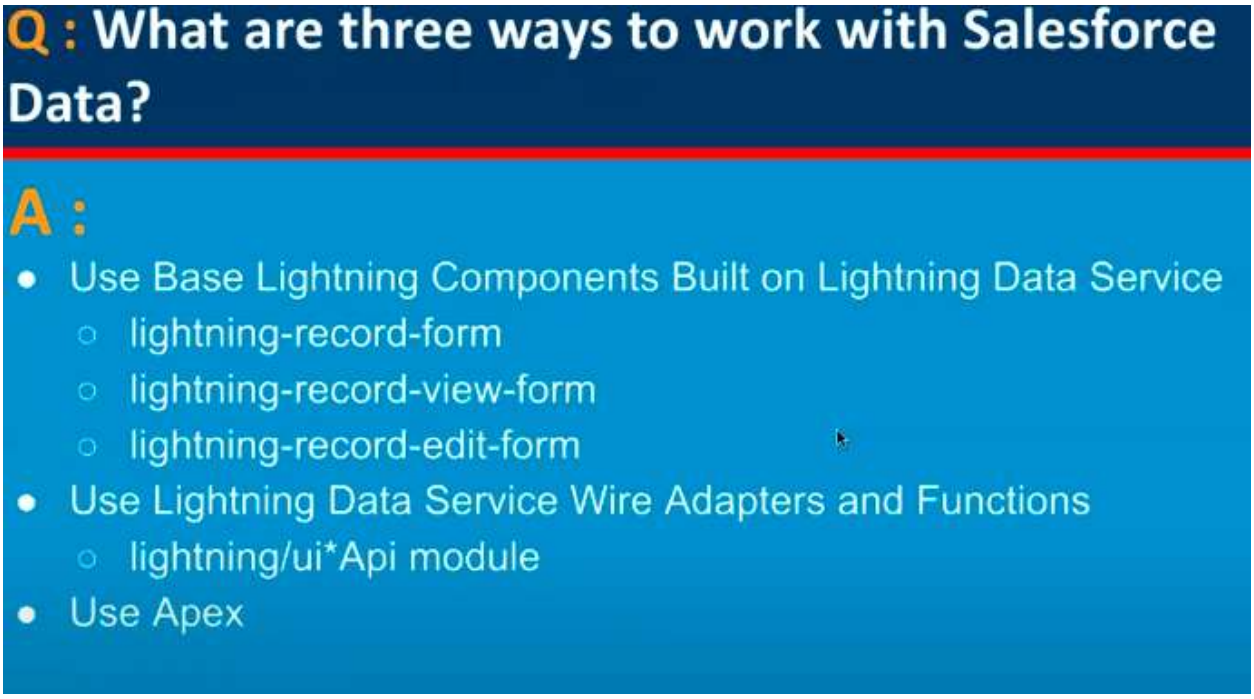
18.


Q : What is Lifecycle Hooks?
A :
• Lightning Web Components provides methods that allow you to "hook" your code up to critical events in a component's lifecycle.
• These events include when a component is:
Created - constructor( )
Added to the DOM - connectedCallback( )
Rendered in the browser - renderedCallback( )
Encountering errors - errorCallback( )
Removed from the DOM - disconnectedCallback( )

19.


Q : What is Lifecycle Flow?
A :
Constructor Called on Parent
Public Property value of Parent updated
Parent Inserted into the DOM
connectedCallback( ) called on Parent
Parent rendered
Constructor called on child
Public Property value of child updated
Child inserted into the DOM
connectedCallback( ) called on child
Child rendered
renderedCallback( ) called on Child
renderedCallback( ) called on Parent

20.


Q : What are three ways to work with Salesforce Data?
A :
Use Base Lightning Components Built on Lightning Data Service
lightning-record-form
lightning-record-view-form
lightning-record-edit-form
Use Lightning Data Service Wire Adapters and Functions
lightning/ui*Api module
Use Apex

21.

Q : Lightning Data Service?

A :

- Lightning Data Service manages data for, changes to a record are reflected in all the technologies built on it. Whereas, data from Apex is not managed, you must refresh the data.
- Lightning Data Service does a lot of work to make code perform well:
  - Loads record data progressively.
  - Caches results on the client.
  - Invalidates cache entries when dependent Salesforce data and metadata changes.
  - Optimizes server calls by bulkifying tha deduping requests.

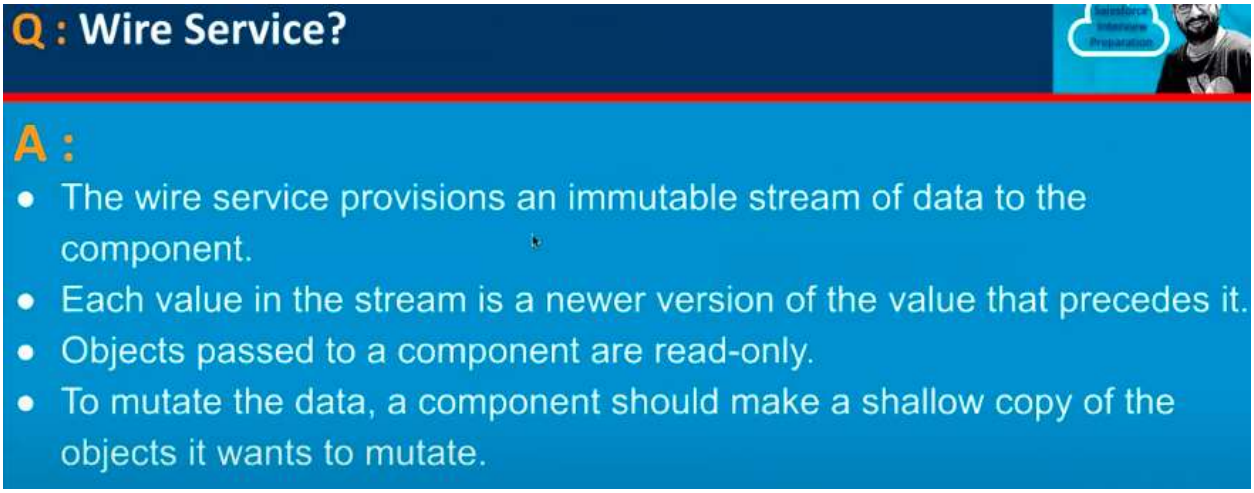
22.

Q : Base Component Comparison?

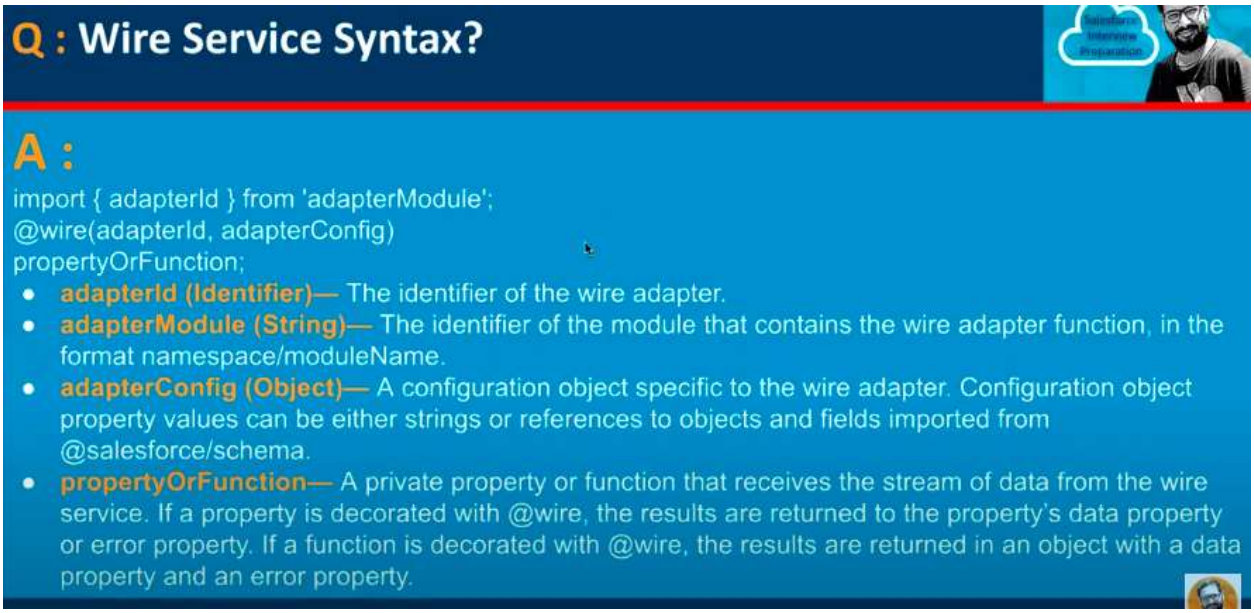
A :

Feature	lightning-record-form	lightning-record-view-form	lightning-record-edit-form
Create Records	Yes		Yes
Edit Records	Yes		Yes
View Records	Yes	Yes	
Read-Only Mode	Yes	Yes	
Layout Types	Yes		
Multi Column Layout	Yes	Yes	Yes
Custom Layout for Fields		Yes	Yes
Custom Rendering of Record Data		Yes	Yes

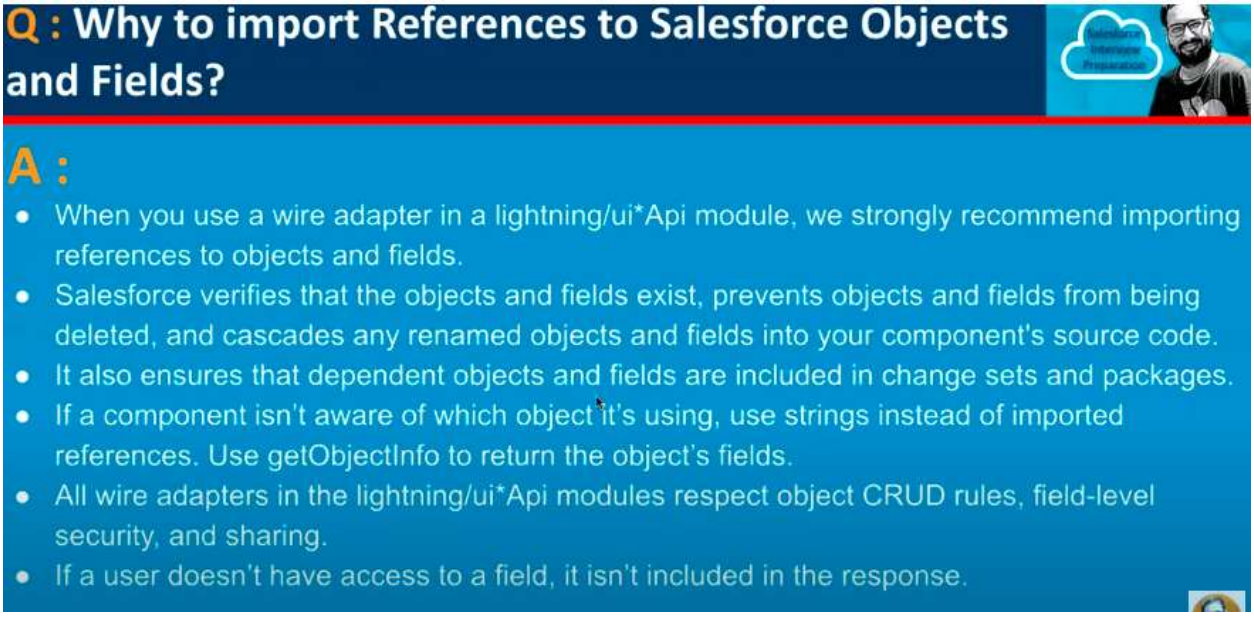
23.


Q : Wire Service?
A :
• The wire service provisions an immutable stream of data to the component.
• Each value in the stream is a newer version of the value that precedes it.
• Objects passed to a component are read-only.
• To mutate the data, a component should make a shallow copy of the objects it wants to mutate.

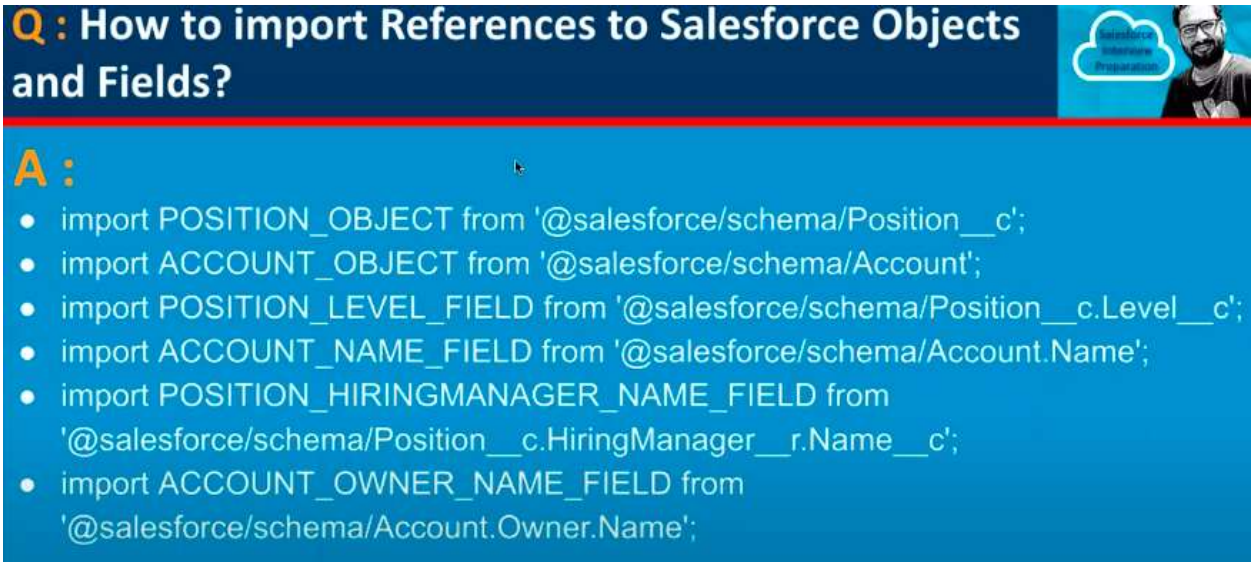
24.


Q : Wire Service Syntax?
A :
import { adapterId } from 'adapterModule';
@wire(adapterId, adapterConfig)
propertyOrFunction;
• adapterId (Identifier)— The identifier of the wire adapter.
• adapterModule (String)— The identifier of the module that contains the wire adapter function, in the format namespace/moduleName.
• adapterConfig (Object)— A configuration object specific to the wire adapter. Configuration object property values can be either strings or references to objects and fields imported from @salesforce/schema.
• propertyOrFunction— A private property or function that receives the stream of data from the wire service. If a property is decorated with @wire, the results are returned to the property's data property or error property. If a function is decorated with @wire, the results are returned in an object with a data property and an error property.

25.


Q : Why to import References to Salesforce Objects and Fields?
A :
When you use a wire adapter in a lightning/ui*Api module, we strongly recommend importing references to objects and fields.
Salesforce verifies that the objects and fields exist, prevents objects and fields from being deleted, and cascades any renamed objects and fields into your component's source code.
It also ensures that dependent objects and fields are included in change sets and packages.
If a component isn't aware of which object it's using, use strings instead of imported references. Use getObjectInfo to return the object's fields.
All wire adapters in the lightning/ui*Api modules respect object CRUD rules, field-level security, and sharing.
If a user doesn't have access to a field, it isn't included in the response.

26.


Q : How to import References to Salesforce Objects and Fields?
A :
import POSITION_OBJECT from '@salesforce/schema/Position__c';
import ACCOUNT_OBJECT from '@salesforce/schema/Account';
import POSITION_LEVEL_FIELD from '@salesforce/schema/Position__c.Level__c';
import ACCOUNT_NAME_FIELD from '@salesforce/schema/Account.Name';
import POSITION_HIRINGMANAGER_NAME_FIELD from '@salesforce/schema/Position__c.HiringManager__r.Name__c';
import ACCOUNT_OWNER_NAME_FIELD from '@salesforce/schema/Account.Owner.Name';

27.


Q : How to get current record id in lightning web component?
A :
• Create a property named as recordId and decorate it with @api decorator.

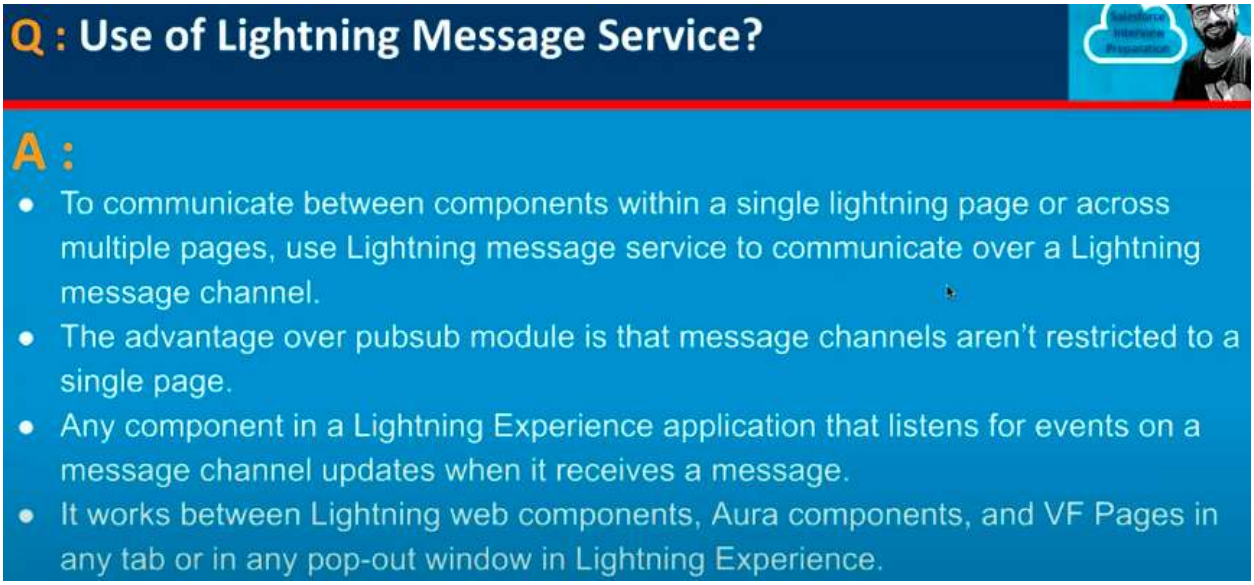
28.


Q : How can we deploy lightning web components?
A :
• Lightning components can be deployed like any other component using change set, ANT migration tool, Gearset, Copado or other migration tool.

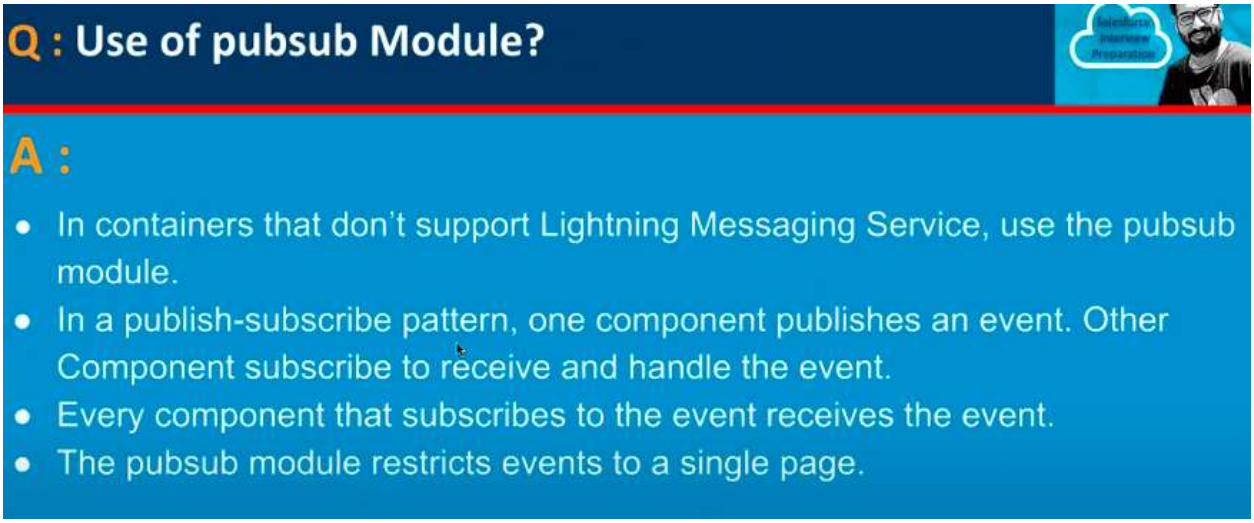
29.


Q : Communicate with Events in LWC?
A :
• Lightning web components dispatch standard DOM events.
• Components can also create and dispatch custom events.
• You can use events to communicate up the component containment hierarchy.
• Create and dispatch events in a component's JavaScript file.
• To create an event, use the CustomEvent( ) constructor. To dispatch an event, call the EventTarget.dispatchEvent( ) method.
• To listen an event use component's HTML template. to handle events, define methods in the component's JavaScript class.

30.


Q : Use of Lightning Message Service?
A :
• To communicate between components within a single lightning page or across multiple pages, use Lightning message service to communicate over a Lightning message channel.
• The advantage over pubsub module is that message channels aren't restricted to a single page.
• Any component in a Lightning Experience application that listens for events on a message channel updates when it receives a message.
• It works between Lightning web components, Aura components, and VF Pages in any tab or in any pop-out window in Lightning Experience.

31.


Q : Use of pubsub Module?
A :
• In containers that don't support Lightning Messaging Service, use the pubsub module.
• In a publish-subscribe pattern, one component publishes an event. Other Component subscribe to receive and handle the event.
• Every component that subscribes to the event receives the event.
• The pubsub module restricts events to a single page.

31.


Q : Where we can use Lightning Web Components?
A :
Distribute Components on AppExchange
Lightning App Builder
Flows
Experience Builder
Utility Bar
Create Components for Outlook and Gmail Integrations
Quick Actions
Standalone Aura Apps
Visualforce Pages
Custom Tabs