

Lightning-Web-Component Course Content

1. Introduction to LWC:

- What is LWC?
- Why we are using LWC when we have already lightning
- Framework/Advantages of LWC?
- Prerequisites before learning LWC.

2. VS Code Editor:

- What is VS Code Editor?
- Need/Use of VS Code Editor?
- Initial plugins which is need to be installed before working on VS Code.
- Connecting your org to VS Code.
- Some commands/Hands on practice on VS Code.

3. Creating Your First Lightning-Web-Component:

- Steps to follow to create your first LWC.
- Things need to remember before creating LWC.
- Naming convention need to follow for LWC.

4. Overview of LWC's Initial files:

- Html file and use of it.
- JavaScript file and use of it.
- CSS file and use of it.
- SVG file and use of it.
- Meta file and use of it.

- <masterLabel> tag in meta file.
- <targets> tags in meta file.

5. Pushing LWC to Org. and pulling LWC from Org:

- Pushing LWC to your org.
- Pulling LWC to your Local machine.

6. Introduction to CSS:

- Basic syntax of CSS.
- Use/Need of CSS in LWC.
- How and where to add CSS in LWC.
- Inline CSS in LWC.
- Internal CSS in LWC.
- External CSS in LWC.

7. Introduction to JS:

- Basic Syntax of JavaScript.
- Use/Need of JS in LWC.
- How and where to add JS in LWC.
- Declaring and defining JS in LWC.
- Declaring variables in JS.
- Functions in JS.
- Loops in JS.
- If condition in JS.

8. Decorators in LWC:

- Introduction.
- Need/Use.
- track decorator.
- api decorator.
- Use decorators in code.
- Defining decorators.
- Accessing Values of decorators.
- Manipulating Data.
- Getters and Setters.
- Use/Need of getters and setters.
- Manipulating data with getters and setters.
- Wire decorators in LWC.
- Use/Need of wire decorators in LWC.
- Manipulating data with wire decorators.

9. LifeCycle Hooks in LWC:

- constructor().
- connectedCallback().
- disconnectedCallback().
- render().
- errorCallback().

10. HTML Template Directives in LWC:

- for:each={array}
- for:item="currentItem"
- for:index="index"
- if:true|false={expression}
- iterator:iteratorName={array}
- key={uniqueId}
- lwc:dom="manual"

11. Client side Controller in LWC:

- Introduction to events.
- Use/Need of events.
- Use/Need of Client-side-controller in LWC.
- Handling user/browser events on Client side controller.
- Sending data from user to client side controller.
- Returning data from client side controller to user.
- Changing decorator values in events.
- Performing some tasks using events on client side controller.

12. Server side Controller in LWC:

- Introduction.
- j. Use/Need of server side controller in LWC.

- k. Handling database related events on server side controller.
- l. Sending data from user to server side.
- m. Returning data from server side controller to user.
- n. Performing some tasks using events on server side controller.

13. SOQL:

a. Introduction to SOQL.

b. Use/Need of SOQL.

c. Different types of operations in SOQL:

- Insert.
- Update.
- Delete.
- Upsert.

d. Overview of Query Editor.

e. Use of SOQL in Class/Methods.

f. Use of SOQL in anonymous window.

g. Use of SOQL in Workbench.

14. Debug logs:

- Introduction.
- Use/Need of Debug Logs.

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15. Static Resources:

- Introduction.
- Use/Need of static resources.

16. Custom Labels:

- Overview of Custom Labels.
- Use/Need of custom labels.
- Use custom labels in apex.

17. Salesforce Modules:

- @salesforce/apex
- @salesforce/apexContinuation
- @salesforce/contentAssetUrl
- @salesforce/client/formFactor
- @salesforce/i18n
- @salesforce/label
- @salesforce/messageChannel
- @salesforce/resourceUrl
- @salesforce/schema
- @salesforce/user

18. Toast message:

- Introduction.
- Need/Use of toast messages.
- Implement in LWC.

19. Use of apex method in LWC:

- Calling apex method using wired.
- Calling apex method using imperative.

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20. Debugging and troubleshooting LWC:

- Using console.log() statement.
- Using alert() statement.

21. Modal in LWC:

- Introduction.
- Use/Need of Modal.
- Creating one Modal in LWC.

22. Data Table in LWC:

- Introduction.

- Use/Need of data table.
- Creating and displaying data using data table.

23. Record Edit form in LWC.

- Introduction.
- Use/Need.
- View data in Record edit form.
- Edit data in Record edit form.
- Create data in record edit form.

24. Advanced Topics of LWC:

- Calling child LWC from parent LWC.
- Calling parent LWC from child LWC.
- Pub sub concept in LWC.
- Use/Need of pub sub in LWC.
- Implementation of Pu sub in LWC.
- Changing child data from parent LWC.
- Calling child method from parent LWC.
- JS Code Sharing in LWC.

25. Page Reference Types:

- App
- Lightning Component
- Knowledge Article

- Login Page
- Named Page
- Navigation Item Page
- Object Page
- Record Page
- Record Relationship Page
- Web Page

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