**1. Introduction**

* What is jQuery?
* Why use jQuery? (advantages over plain JavaScript)
* Downloading / including jQuery (CDN vs local file).
* First jQuery program ($(document).ready()).

**2. jQuery Selectors**

* Basic selectors (id, class, element).
* Combination selectors.
* Attribute selectors.
* Hierarchy (descendant, child, sibling).
* Filtering selectors (:first, :last, :even, :odd, etc.).

**3. jQuery Events**

* Mouse events (click, dblclick, hover, mouseover, mouseout).
* Keyboard events (keypress, keyup, keydown).
* Form events (focus, blur, change, submit).
* Document/window events (ready, load, resize, scroll).
* Event handling methods (on(), off()).

**4. jQuery Effects & Animations**

* Show, Hide, Toggle.
* FadeIn, FadeOut, FadeToggle.
* SlideUp, SlideDown, SlideToggle.
* Custom animations (animate()).
* Stopping/chaining animations.

**5. jQuery DOM Manipulation**

* Getting and setting content (text(), html(), val()).
* Getting and setting attributes (attr(), prop(), removeAttr()).
* Adding/removing elements (append(), prepend(), after(), before()).
* Removing elements (remove(), empty()).
* CSS manipulation (css(), addClass(), removeClass(), toggleClass()).

**6. Traversing the DOM**

* Parent, child, siblings.
* Closest(), find(), eq().
* Filtering methods (filter(), not(), has()).

**7. jQuery Forms & Validation**

* Getting form values.
* Input field manipulation.
* Simple client-side validation (required fields, email format, etc.).

**8. jQuery AJAX**

* Introduction to AJAX.
* Using $.ajax(), $.get(), $.post().
* Loading data into elements (load() method).
* Handling JSON responses.
* Error handling in AJAX.

**9. jQuery Utilities**

* each() method.
* map(), grep().
* $.trim(), $.isNumeric(), $.inArray().

**10. jQuery Plugins**

* What are plugins?
* Using a jQuery plugin (like Datepicker, Slider).
* Brief on creating a simple plugin.

**Flow idea:**

1. Start with **selectors + events** (basic foundation).
2. Move to **DOM manipulation + effects** (to keep it interactive).
3. Then **forms + AJAX** (real-world usage).
4. End with **plugins** and advanced utilities.