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### Task 1: Setup & Selectors

**Objective**: Learn how to include jQuery and use selectors.

### Steps:

- 1. Include jQuery CDN in an HTML file.
- 2. Use \$() to select elements by ID, class, tag.

### Example:

```
Hello
<script>
$(document).ready(function() {
   $('#demo').text('Hello from jQuery!');
});
</script>
```

### Challenge:

- Change background color of all tags.
- Select multiple elements and style them.

#### Task 2: Events

**Objective**: Handle basic user interactions.

## Steps:

1. Use .click(), .hover(), .dblclick().

## Example:

```
$('#btn').click(function() {
  alert('Button clicked!');
});
```

### Challenge:

- Create a toggle menu.
- On hover, show tooltip.

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### Task 3: jQuery Effects

**Objective**: Use hide/show, toggle, fade, slide.

#### Steps:

- 1. Add buttons to control visibility.
- 2. Use .fadeIn(), .slideUp().

### Example:

```
$('#hide').click(function(){
$('#box').hide();
});
```

### Challenge:

• Create image gallery where images fade in/out on click.

## Level 2: Intermediate jQuery

### Task 4: DOM Manipulation

**Objective**: Modify content, attributes, and styles.

## Steps:

1. Use .html(), .text(), .css(), .attr().

### Example:

\$('img').attr('src', 'new-image.jpg');

## Challenge:

Create a form and update a div with form values on submit.

## Task 5: jQuery Chaining

**Objective**: Perform multiple actions in one line.

#### Example:

\$('#box').css('color', 'red').slideUp(2000).slideDown(2000);

### Challenge:



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• Chain background change + fade effect + text update.

### Task 6: Loop & Each

Objective: Loop through elements using .each().

### Example:

```
$('li').each(function(index){
  $(this).text("Item " + index);
});
```

### Challenge:

Add serial numbers to all items in a list.

## Level 3: Advanced jQuery

### Task 7: Form Validation

**Objective**: Validate inputs using jQuery before submission.

## Steps:

- 1. Check if fields are empty.
- 2. Use regex for email/phone validation.

## Challenge:

Show inline error messages using .after().

### Task 8: jQuery AJAX

Objective: Load data without reloading the page.

### Steps:

1. Use .ajax(), .get(), .post().

### Example:

```
$.get('data.json', function(data){
  $('#result').html(data.name);
});
```



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## Challenge:

• Fetch JSON and display it in a table.

## Task 9: jQuery UI Integration

Objective: Use jQuery UI widgets (Datepicker, Drag/Drop).

### Steps:

- 1. Include jQuery UI CDN.
- 2. Apply .datepicker(), .draggable().

### Challenge:

- Create draggable cards (like Trello).
- Use datepicker in a booking form.

### Task 10: Create a Mini Project

**Objective**: Combine all skills in one project.

## Project Idea: To-do App with the following:

- Add new task
- Edit and delete task
- Mark complete with strikethrough
- Filter completed/incomplete
- Use localStorage (optional advanced)

## **Oelivery Format:**

Each task can be delivered with:

- HTML/CSS Template
- jQuery starter code
- Practice challenges
- Bonus "Try This!" suggestion

Would you like me to convert this into a downloadable PDF or assign it as part of a classroom module (with answer keys)?