

# ASSIGNMENT DAY 6

The screenshot shows a web browser window with the URL `learn.namastedev.com/s/courses/6389e7a3e4b012dc9ad879ff/take`. The page is titled "Namaste React Live Course" and displays "Chapter 06 - Exploring the world". On the left, a sidebar shows the course progress: "66% completed in 11h 52m". The "Contents" list includes "Chapter 05 - Let's get Hooked!", "05 - Assignment - Let's get Hooked!", "AMA with Akshay (Chit-Chat Session)", "Chapter 06 - Exploring the world | 1080p", "06 - Assignment - Exploring the world", "Chapter 07 - Finding the Path | 1080p HD", and "07 - Assignment - Finding the Path". The main content area lists topics for Chapter 06: "What is a Microservice?", "What is Monolith architecture?", "What is the difference between Monolith and Microservice?", "Why do we need a useEffect Hook?", "What is Optional Chaining?", "What is Shimmer UI?", "What is the difference between JS expression and JS statement", "What is Conditional Rendering, explain with a code example", "What is CORS?", "What is async and await?", and "What is the use of 'const json = await data.json()'; in getRestaurants()". Below this, the "Coding Assignment" section lists tasks: "Play with the useEffect Hook to see when it is called?(before or after render)", "Play with dependency array in useEffect Hook", and "Play with the developer console by putting a debugger in render and useEffect".

**Chapter 06 - Exploring the world**

- What is a Microservice?
- What is Monolith architecture?
- What is the difference between Monolith and Microservice?
- Why do we need a useEffect Hook?
- What is Optional Chaining?
- What is Shimmer UI?
- What is the difference between JS expression and JS statement
- What is Conditional Rendering, explain with a code example
- What is CORS?
- What is async and await?
- What is the use of 'const json = await data.json()'; in getRestaurants()

**Coding Assignment :**

- Play with the useEffect Hook to see when it is called?(before or after render)
- Play with dependency array in useEffect Hook
- Play with the developer console by putting a debugger in render and useEffect

This screenshot is identical to the one above, showing the same course interface for Chapter 06. The sidebar and main content area are the same, displaying the course progress, contents list, and chapter topics. The "Coding Assignment" section lists the same tasks: "Play with the useEffect Hook to see when it is called?(before or after render)", "Play with dependency array in useEffect Hook", and "Play with the developer console by putting a debugger in render and useEffect".

**Chapter 06 - Exploring the world**

- What is Optional Chaining?
- What is Shimmer UI?
- What is the difference between JS expression and JS statement
- What is Conditional Rendering, explain with a code example
- What is CORS?
- What is async and await?
- What is the use of 'const json = await data.json()'; in getRestaurants()

**Coding Assignment :**

- Play with the useEffect Hook to see when it is called?(before or after render)
- Play with dependency array in useEffect Hook
- Play with the developer console by putting a debugger in render and useEffect
- Call an actual API to get data
- Handle Error in your API call
- Build Shimmer UI when data is not loaded
- Render your UI with actual API data
- Make Search functionality work
- Make a Login Logout button which toggles with a state