- Day 1: Introduction and Basics

SQL (Morning) - 09:00 - 10:00: Introduction to SQL and setting up the environment - 10:00 - 11:00: SQL Syntax and Basics - 11:00 - 12:00: Basic Queries (SELECT, WHERE, ORDER BY, LIMIT)

Break

React (Evening) - 17:00 - 18:00: Introduction to React

- 18:00 - 19:00: Setting up the environment and understanding JSX

- 19:00 - 20:00: Components and Props

- 20:00 - 21:00: State and Lifecycle

- Day 2: Advanced Concepts

SQL (Morning) - 09:00 - 10:00: Aggregate Functions (COUNT, SUM, AVG, MIN, MAX)

- 10:00 - 11:00: GROUP BY Clause

- 11:00 - 12:00: HAVING Clause

Break

React (Evening) - 17:00 - 18:00: Conditional Rendering

- 18:00 - 19:00: Lists and Keys

- 19:00 - 20:00: Forms and Controlled Components

- 20:00 - 21:00: Introduction to Hooks (useState and useEffect)

- Day 3: State Management and Joins

SQL (Morning) - 09:00 - 10:00: INNER JOIN

- 10:00 - 11:00: LEFT JOIN, RIGHT JOIN, FULL JOIN

- 11:00 - 12:00: CROSS JOIN

Break

React (Evening) - 17:00 - 18:00: Custom Hooks

- 18:00 - 19:00: Context API Basics

- 19:00 - 20:00: Using Context API for State Management

- 20:00 - 21:00: Introduction to Redux (Actions, Reducers, Store)

- Day 4: Routing and Subqueries

SQL (Morning) - 09:00 - 10:00: Basic Subqueries

- 10:00 - 11:00: Correlated Subqueries

- 11:00 - 12:00: Using Subqueries with SELECT, FROM, and WHERE

Break

React (Evening) - 17:00 - 18:00: Setting up React Router

- 18:00 - 19:00: Basic Routing and Navigation

- 19:00 - 20:00: Dynamic Routing - 20:00 - 21:00: Nested Routes

- Day 5: Styling and Advanced Querying

SQL (Morning) - 09:00 - 10:00: UNION and UNION ALL

- 10:00 - 11:00: INTERSECT and EXCEPT

- 11:00 - 12:00: Introduction to Window Functions

Break

React (Evening) - 17:00 - 18:00: CSS Modules

- 18:00 - 19:00: Styled-components

- 19:00 - 20:00: Emotion

- 20:00 - 21:00: CSS Transitions and Animations

- Day 6: Advanced Topics and Data Manipulation

SQL (Morning) - 09:00 - 10:00: INSERT INTO

- 10:00 - 11:00: UPDATE

- 11:00 - 12:00: DELETE

Break

React (Evening) - 17:00 - 18:00: Introduction to Server-Side Rendering (SSR)

- 18:00 - 19:00: Next.js Basics

- 19:00 - 20:00: React.lazy and Suspense

- 20:00 - 21:00: Code Splitting with Webpack

- Day 7: Testing, Deployment, and Advanced SQL

SQL (Morning) - 09:00 - 10:00: Transactions (COMMIT, ROLLBACK, Savepoints)

- 10:00 - 11:00: Creating and Using Stored Procedures and Functions

- 11:00 - 12:00: Introduction to Triggers and Query Optimization Techniques

Break

React (Evening) - 17:00 - 18:00: Introduction to Testing

- 18:00 - 19:00: Jest and React Testing Library

- 19:00 - 20:00: End-to-End Testing with Cypress

- 20:00 - 21:00: Building for Production and Deployment

→ Summary This schedule ensures you dedicate the mornings to SQL and the evenings after 5 PM to React. Adjust the hours and breaks according to your pace and comfort. Regular practice and consistent effort will help you cover all the essential topics effectively. Good luck!