React Brush-Up Tasks

Level 1 — Fundamentals Refresh

1. Counter App — Increment, decrement, and reset count. Disable decrement when count = 0.
2. Toggle Theme — Create a dark/light mode toggle using a button.
3. Show/Hide Password — Input field with '■ Show Password' toggle button.
4. Real-Time Character Counter — A text box showing 'Characters: X / 100'.
5. Dynamic List Rendering — Input field + button to add items to a list with delete functionality.

Level 2 — State & Event Handling

1. Search Filter — Real-time filter of a list. Add case-insensitive search.
2. To-Do List — Add, delete, and mark tasks as complete using array state.
3. Simple Calculator — Two input fields + operator select + live result.
4. FAQ Accordion — Click question to expand answer, only one open at a time.
5. Form Validation — Registration form with required field errors.

Level 3 — Hooks & Component Interaction

1. Stopwatch / Timer — Start, stop, and reset time using useEffect.
2. Fetch API Data — Use fetch/axios to show data from jsonplaceholder API.
3. Pagination — Display 10 users per page, with Next/Prev buttons.
4. Modal Popup — Click button → open modal → close with backdrop or button.
5. Parent-Child Communication — Parent passes data to child and receives updates via callback props.

Level 4 — Intermediate UI & Logic

1. Search + Sort Table — Display data table with search and sort options.
2. Weather App — Fetch weather by city name using OpenWeather API.
3. Expense Tracker — Add expenses (title, amount). Show total and delete option.
4. Quiz App — Display one question at a time, track score, show result.
5. Image Gallery with Filter — Filter images by category with hover animation.

Bonus Projects

1. Notes App (localStorage) — Save notes that persist after refresh.
2. Password Generator — Random password generator with options.
3. React CRUD with Context — Add/Edit/Delete users using Context API.