



National University of Computer and Emerging Sciences, Lahore Campus

	Course Name:	Web Programming		
	Program:	BS CS		
	Section:	BCS-7B	Marks:	10
	Exam Type:	Quiz 4A	Roll No:	
Student Name:				

Q1: How do useEffect and useMemo differ in terms of their purpose and execution in React? **(4)**

Q2: Create a **Login** Form Component with **username** and **password** input fields, two-way data binding using useState and a submit button that alerts the username when clicked and prevents default behaviour. **(6)**

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Q1: What is the difference between React.memo and useMemo? In which scenario would you use each of them? **(4)**

Q2: Create a **Product** component that takes **name** and **price** as props and displays them inside a <div>. In the **App** component, define an array of products with at least two objects, each containing name and price. Render multiple Product components dynamically inside the App component. **(6)**

