

React Loan Application Question:

Scenario:

You're building a simple **Loan Management Application** in React. The application should:

1. Allow the user to **input a loan amount** (e.g., ₹1,00,000).
 2. Track the **amount utilized** by the user (e.g., ₹20,000).
 3. Based on the amount utilized, calculate and show the **interest payable** (e.g., interest only on ₹20,000).
 4. Allow the user to input the **interest rate** (e.g., 10% per annum).
 5. Display the **calculated interest** dynamically.
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Your Task:

Create a React component called `LoanInterestCalculator` with the following features:

- **Input fields:**
 - `Loan Amount` (initial total loan)
 - `Amount Used` (the portion of the loan the user has used)
 - `Interest Rate` (in percentage)
- **Output:**
 - Calculate and display the **interest to be paid** on the amount used, not the full loan.

Interest Formula:

$$\text{Interest} = (\text{Amount Used} \times \text{Interest Rate}) / 100$$

Bonus (Optional):

- Add validation: Used amount should not exceed loan amount.
- Format currency nicely (e.g., ₹20,000 instead of just 20000).