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| Stage | Description |
| Input | * Principle amount (float) * Interest rate (float) * Number of years (5) |
| Process | * Loop for each year (1 to 5) * Calculate annual interest: interest = principle\*rate * Calculate ending balance: ending balance = principle + interest * Update principle for the next year: principle = ending balance * Accumulate the total interest over 5 years |
| Output | * Display for each year: * Year number * Beginning balance (principle) * Annual interest * Ending balance * Display accumulated interest for 5 years with formatted output |