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// Developing Interest at IITK
#include <stdio.h>
int main(){
    int principal, intRate;
    // Read in the principal amount and the interest rate
    scanf("%d %d", &principal, &intRate);

    // Calculate the loan amount after 2 years
    // Also calculate the loan amount after 4 years
    long balTwoYears, balFourYears;

    balTwoYears = principal + (2*principal*intRate)/100;
    balFourYears = balTwoYears*(100+intRate)*(100+intRate)/10000;

    // The above solution is actually a bit risky since balTwoYears loses digits after the
    decimal point
    // Thus, if we use this to calculate balFourYears, we might get wrong answers
    // In the test cases we had, this was never a problem since we ensured that balTwoYears
    was always an integer
    // A foolproof code would be the following
    // balTwoYears = principal + (2*principal*intRate)/100;
    // balFourYears = (100*principal + 2*principal*intRate)*(100+intRate)*
    (100+intRate)/1000000;

    printf("%ld\n%ld",balTwoYears,balFourYears);

    return 0;
}
```