



# Compound Interest

Write a C++ program that calculates Compound Interest .

Your program should prompt the user for:

- P = Amount of Money Borrowed (Principal)
- r = Interest Rate
- n = Number of times interest is compounded per year
- t = Number of years

## Compound Interest Formula (including Principal)

Amount

Interest Rate (decimal)

$$A = P \left( 1 + \frac{r}{n} \right)^{nt}$$

Time (years)

Principal

Number of times interest is compounded per year

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