

Create a command line program that will calculate the Present Value (PV) and the Future Value (FV) of some money given a certain time and interest rate.

Formula:

$$FV = PV * (1 + r)^n$$

FV = Future Value

PV = Present Value

r = annual interest rate

n = number of years

The command line will take parameters.

Pv.exe

>>enter the future value

100

>>enter the rate

.05

>> enter the number of years

10

>>61.39

Fv.exe

>>enter the present value

100

>>enter the interest rate3

1

>>enter the number of years

1

>>200

Extra challenge!

An investment pays \$x amount of money every year (dividend).

At the end of the investment period you get \$z amount of money plus the dividend.

What is the present value of the investment?