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Lab Assignment #2

Due: 02/15/19

**CODE**

#Get future value

future\_value = float(input("Enter the desired future value: "))

#Get annual interest rate

annual\_int\_rate = float(input("Enter the annual interest rate percentage: "))

annual\_int\_rate = annual\_int\_rate/100

#Get number of years

years = float(input("Enter the number of years the money will grow: "))

#Calculate deposit

deposit = (future\_value)/((1+annual\_int\_rate)\*\*years)

deposit= float(round(deposit, 2))

#Display results

print("The desired future value: $", future\_value)

print("The annual interest rate:", annual\_int\_rate, "%")

print("The number of years the money will grow:", years, "years")

print("The amount needed to deposit: $", deposit)

**Output**

Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32

Type "copyright", "credits" or "license()" for more information.

>>>

Enter the desired future value: 5000

Enter the annual interest rate percentage: 5

Enter the number of years the money will grow: 5

The desired future value: $ 5000.0

The annual interest rate: 0.05 %%

The number of years the money will grow: 5.0 years

The amount needed to deposit: $ 3917.63