#SIMPLE INTEREST

PRINT " enter the principal amount: "

READ principal

DEFINE principal AS integer

PRINT " Please enter the annual interest rate % : "

READ Rate

DEFINE Rate AS integer

PRINT "Please enter the number of years:"

READ numYears

DEFINE numYears AS integer

Simple interest = (principal\*rate\*numYears)/100

PRINT “Simple interest is : Simple interest”

#COMPOUND INTEREST

PRINT "Please enter the principal amount:"

READ principal

DEFINE principal AS integer

PRINT "Please enter the number of times interest is compounded per year:"

READ Compounds

DEFINE Compounds AS integer

PRINT "Please enter the annual interest rate (as a decimal, e.g. 0.5 for 50%):"

READ Rate

DEFINE Rate AS float

PRINT "Please enter the number of years:"

READ numYears

DEFINE numYears AS integer

Compound Interest = principal \* ((1 + (Rate / Compounds))\*\* (Compounds \* numYears))

BEGIN

Annuity Plan

PRINT "Input Principal:"

READ p

DEFINE p AS integer

PRINT "Input the No of Times It Compounds Per Year:"

READ n

DEFINE n AS integer

PRINT "Input Rate (in decimal [i.e., 50% = 0.5]):"

READ r

DEFINE r AS float

PRINT "Input No of Years:"

READ t

DEFINE t AS integer

// Calculation

y = r / n

a = p \* ((((1 + y) \*\* (n \* t)) - 1) / y)

Output

PRINT "Annuity Plan = ", a

END