

MCalc

USER MANUAL

Description

MCalc is a platform where we help our users know the time value of money they invested with us in a duration (not less than a year). The value of money received today is expected to have increased at a future date due to the possibility of earning interest.

Information

This platform offers an interest rate of 10% per annum. The compounding period on this platform is on a yearly basis. This means that the sum of money invested by the user gets a 10% interest in a year. This does not mean that the user gets a direct 10% increase in his money every year as there are other factors being considered. Another major factor is time.

The mathematical expression used in the calculation is as follow:

$$FV = PV \times [1 + (i/n)]^{(n \times t)}$$

Where;

FV = Future value of money

PV= Present value of money

i = interest

n = number of compounding periods per year

t =number of years

Instruction for user

The user is required to supply the sum of money invested and the duration (not less than a year).

The platform supplies the interest rate and compounding period and outputs the time value of the user's money.