# Exercise 7: Financial Forecasting

Approach and Understanding:

In this task, I built a **Financial Forecasting Tool** to calculate the future value of money based on **user input.**

The question asked me to:

* Use **Recursive Algorithms** to predict the future value.
* Calculate future values using **past growth rates**

# Code

import java.util.Scanner;

public class Finance {

public static double xx ( double aa , double bb , int cc )

{

if ( cc == 0 ) return aa ;

return xx ( aa \* ( 1 + bb ) , bb , cc - 1 ) ;

}

public static void main ( String[] y )

{

Scanner u = new Scanner ( System . in ) ;

System . out . print ( "Start: " ) ; double a = u . nextDouble ( ) ;

System . out . print ( "Rate: " ) ; double b = u . nextDouble ( ) ;

System . out . print ( "Time: " ) ; int c = u . nextInt ( ) ;

double d = xx ( a , b , c ) ;

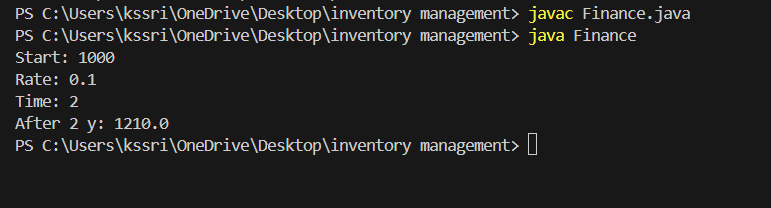
System . out . println ( "After " + c + " y: " + d ) ;

u . close ( ) ;

}

}

**OUTPUT:**

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