**HANDSON 4: Financial Forecasting**

1. Understand Recursive Algorithms:

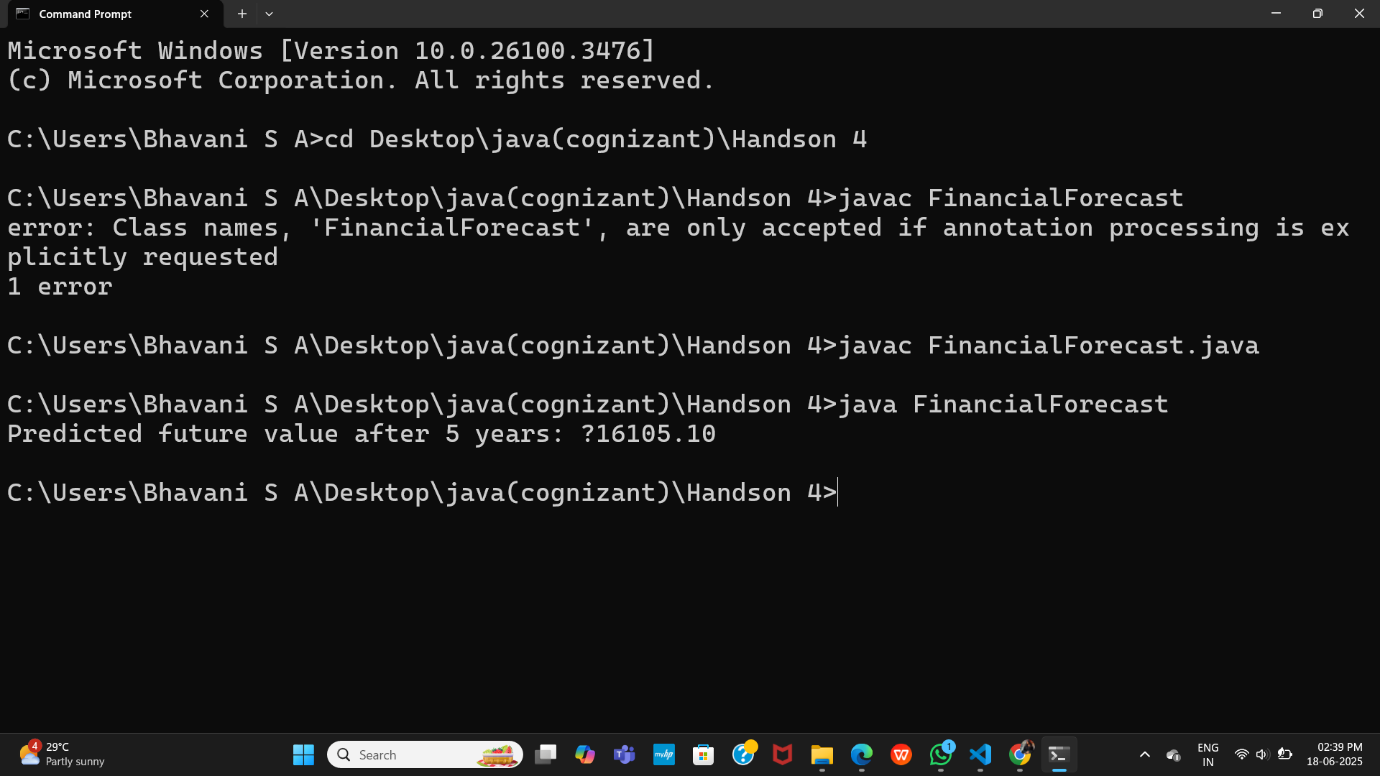
Recursion is when a method calls itself to solve smaller parts of a problem.

It is used in like: calculating factorial, Fibonacci series and also for financial forecasting .

How financial forecasting uses recursion :

* Used recursion to simulate compound growth
* Each step multiplies previous value with (1 + growthRate)
* Base case: if years == 0, return initial value

**OUTPUT:**

****