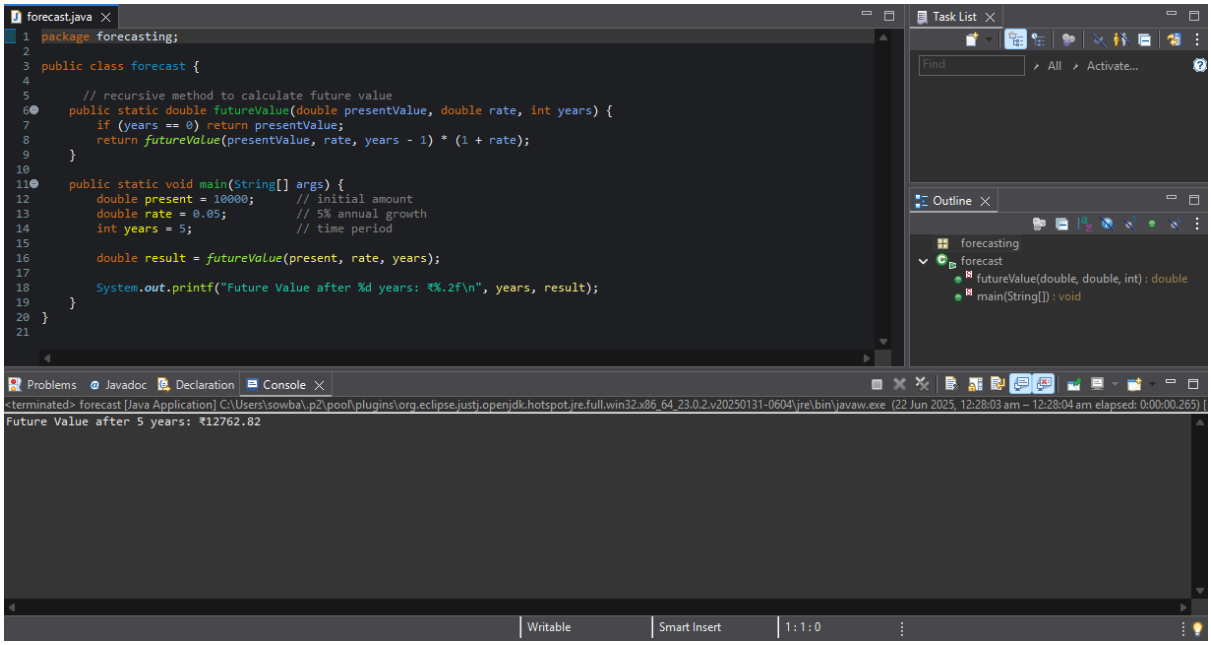
Exercise 7: Financial Forecasting

OUTPUT:



In the Financial Forecasting tool, recursion simplifies future value prediction based on past data. However, recursive methods can be inefficient ($O(2^n)$ in some cases), so optimization techniques like memoization or converting to iteration are essential for better performance.