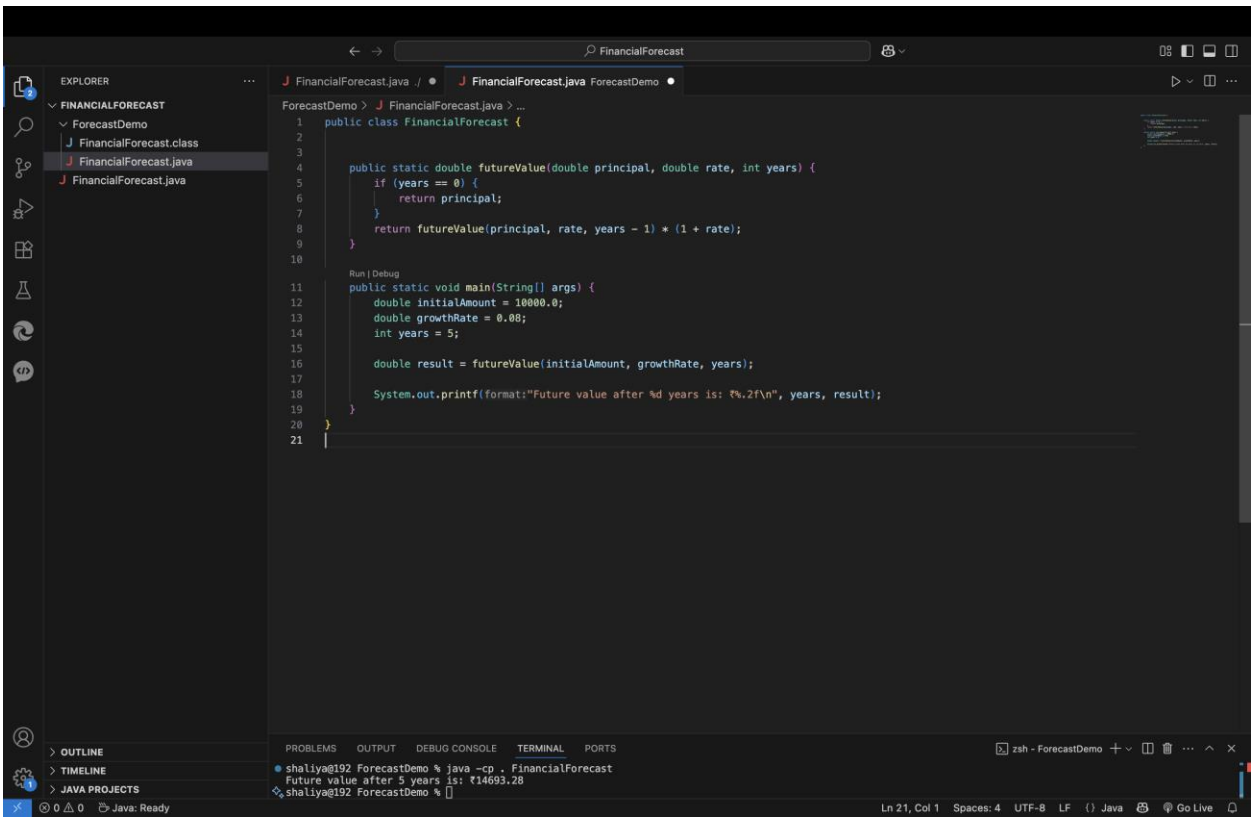
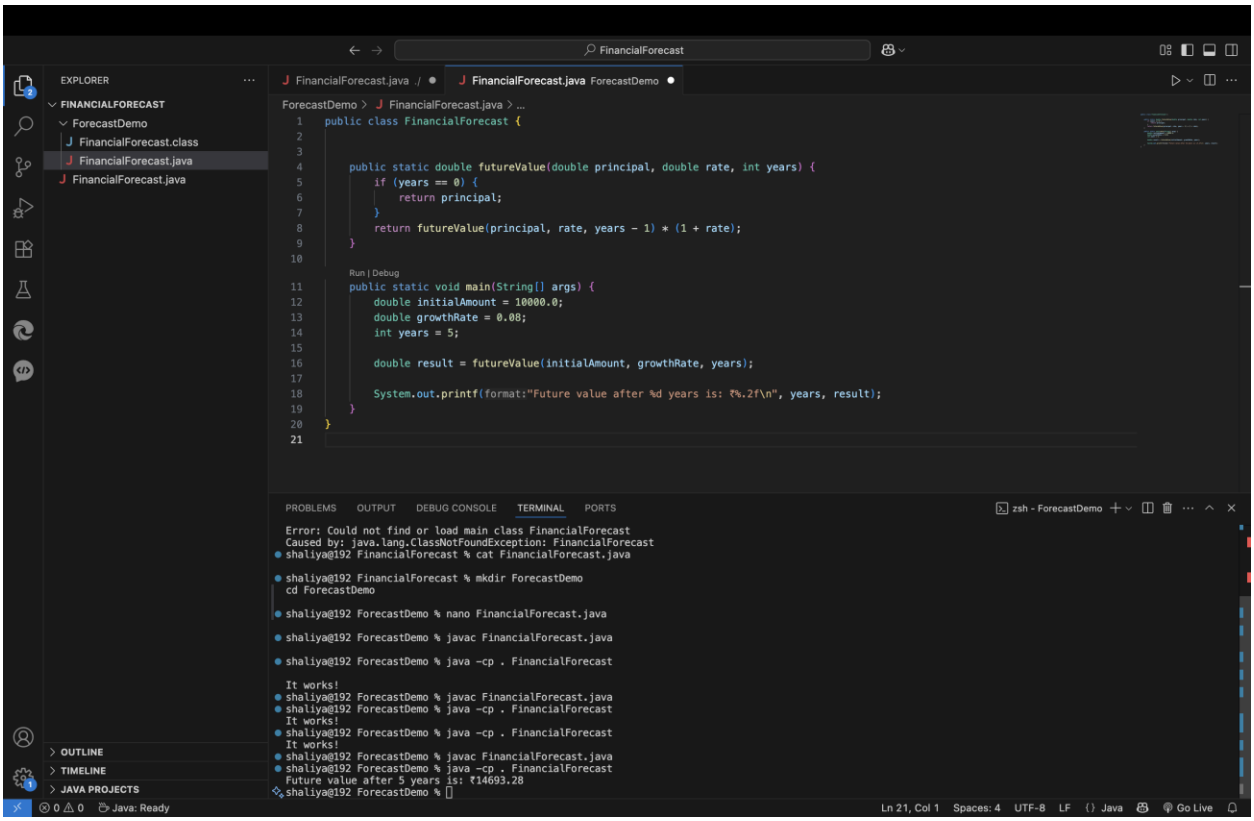
Exercise 7: Financial Forecasting




FinancialForecast
EXPLORER
FINANCIALFORECAST
ForecastDemo
FinancialForecast.class
FinancialForecast.java
FinancialForecast.java
FinancialForecast.java ./
FinancialForecast.java ForecastDemo
ForecastDemo > FinancialForecast.java > ...
1 public class FinancialForecast {
2
3
4 public static double futureValue(double principal, double rate, int years) {
5 if (years == 0) {
6 return principal;
7 }
8 return futureValue(principal, rate, years - 1) * (1 + rate);
9 }
10
Run | Debug
11 public static void main(String[] args) {
12 double initialAmount = 10000.0;
13 double growthRate = 0.08;
14 int years = 5;
15
16 double result = futureValue(initialAmount, growthRate, years);
17
18 System.out.printf(format:"Future value after %d years is: ₹%.2f\n", years, result);
19 }
20 }
21
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
zsh - ForecastDemo
Error: Could not find or load main class FinancialForecast
Caused by: java.lang.ClassNotFoundException: FinancialForecast
shaliya@192 FinancialForecast % cat FinancialForecast.java
shaliya@192 FinancialForecast % mkdir ForecastDemo
cd ForecastDemo
shaliya@192 ForecastDemo % nano FinancialForecast.java
shaliya@192 ForecastDemo % javac FinancialForecast.java
shaliya@192 ForecastDemo % java -cp . FinancialForecast
It works!
shaliya@192 ForecastDemo % javac FinancialForecast.java
shaliya@192 ForecastDemo % java -cp . FinancialForecast
It works!
shaliya@192 ForecastDemo % java -cp . FinancialForecast
It works!
shaliya@192 ForecastDemo % javac FinancialForecast.java
shaliya@192 ForecastDemo % java -cp . FinancialForecast
Future value after 5 years is: ₹14693.28
shaliya@192 ForecastDemo %
OUTLINE
TIMELINE
JAVA PROJECTS
Java: Ready
Ln 21, Col 1
Spaces: 4
UTF-8
LF
Java
Go Live