**FinancialForcaster.java :**

public class FinancialForecaster {

public static double forecast(double presentValue,double rate,int years) {

if (years==0) return presentValue;

return forecast(presentValue,rate,years-1)\*(1+rate);

}

public static void main(String[] args) {

double presentValue=10000

double annualRate=0.1;

int years=5;

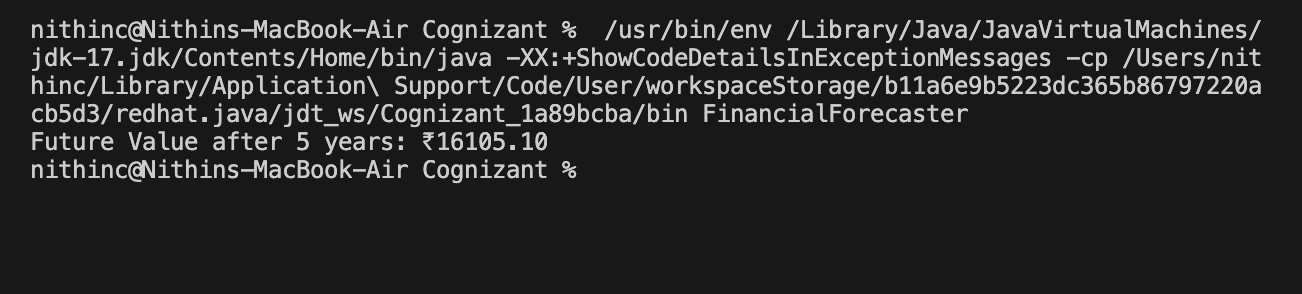
double futureValue=forecast(presentValue, annualRate, years);

System.out.printf("Future Value after %d years: ₹%.2f\n",years,futureValue);

}

}

**Output :**

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