**Week-1**

**Data Structures and Algorithm**

**Exercise-2 Financial Forecast**

**FinancialForecast.java**

**import java.util.Scanner;**

**public class FinancialForecast {**

**public static double futureValue(double p , double r , int yr){**

**double result = p;**

**for(int i = 0;i<yr ; i++){**

**result\*=(1+r);**

**}**

**return result;**

**}**

**public static void main(String[] args) {**

**Scanner ss = new Scanner(System.in);**

**System.out.println("Enter the First investment:");**

**double p = ss.nextDouble();**

**System.out.println("Enter the yearly growth in %");**

**double r= ss.nextDouble()/100.0;**

**System.out.println("Enter the No of years for prediction");**

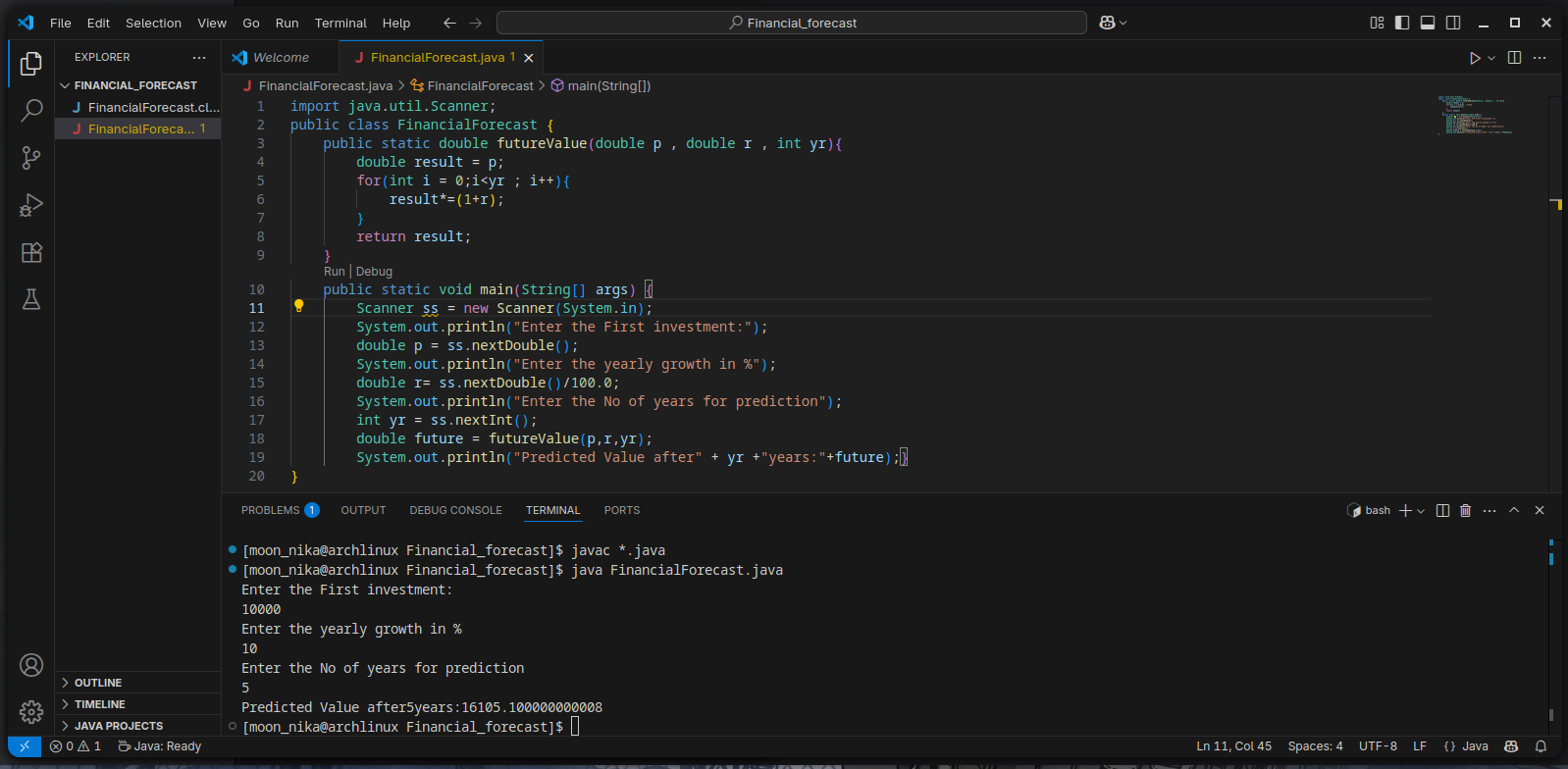
**int yr = ss.nextInt();**

**double future = futureValue(p,r,yr);**

**System.out.println("Predicted Value after" + yr +"years:"+future);}**

**}**

**Output:**

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