

## Prg22:

The screenshot shows the NetBeans IDE interface with the following details:

- Projects View:** Shows the project structure under "Source". The "Prg22" project contains several source packages:
  - com.mycompany (containing Prg22.java)
  - Test Packages
  - Dependencies
  - Java Dependencies
  - Project Files
- Code Editor:** Displays the content of Prg22.java. The code calculates simple interest based on user input for principal amount, number of days, and interest rate per annum.
- Output View:** Shows the build log and run output.
  - Building:** The project is built from pom.xml, resulting in a 1.0-SNAPSHOT JAR.
  - Execution:** The program prompts for input and prints the calculated amount on maturity. For example, with 30000 as principal, 4 as days, and 5.5 as interest rate, it outputs 31650.0.
  - Success:** The build is successful, taking 25.625 seconds.

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license.txt
 * Author: lBSCCSA59
 * Import: java.util.*;
 */
public class Prg22 {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the sum of money deposited.");
        double sum = sc.nextDouble();
        System.out.println("Enter the No. of days.");
        int days = sc.nextInt();
        double amount;
        double interest;
        if(days <= 180){
            interest = sum * 5.5/100.0;
            amount = sum + interest;
        } else if(days > 180 && days <= 364){
            interest = sum * 7.5/100.0;
            amount = sum + interest;
        } else if(days == 365){
            interest = sum * 9.0/100.0;
            amount = sum + interest;
        } else if(days > 365){
            interest = sum * 8.5/100.0;
            amount = sum + interest;
        }
        System.out.println("Amount on maturity is "+amount);
    }
}
```