

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

**Top Bar:** File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help, prg22 ..., Search (Ctrl+I)

**Toolbar:** Standard icons for file operations like Open, Save, Find, etc.

**Project Tab:** Shows multiple Java files: Stacks.java, Prg18.java, Prg19.java, Prg20.java, Prg21.java, and Prg22.java.

**Source Tab:** Active tab showing the code for Prg22.java.

**Code Content:**

```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3   */
4
5  package com.mycompany.prg22;
6
7  /**
8   *
9   * @author LBSCCSA43
10  */
11 import java.util.*;
12 public class Prg22 {
13
14     public static void main(String[] args) {
15         Scanner sc = new Scanner(System.in);
16         System.out.println("Enter the sum of money deposited."); double sum = sc.nextDouble();
17         System.out.println("Enter the No. of days."); int days = sc.nextInt();
18         double amount;
19         double interest;
20         if(days <= 180){
21             interest = sum * 5.5/100.0;
22             amount = sum + interest;
23             System.out.println("Amount on maturity is \u20B9"+amount); }else if(days > 180 && days <= 364){
24                 interest = sum * 7.5/100.0;
25
26
27
28             amount = sum + interest;
29             System.out.println("Amount on maturity is \u20B9"+amount); }else if(days == 365){
30                 interest = sum * 9.0/100.0;
31                 amount = sum + interest;
32                 System.out.println("Amount on maturity is \u20B9"+amount); }else if(days > 365 ){
33                     interest = sum * 8.5/100.0;
34                     amount = sum + interest;
35                     System.out.println("Amount on maturity is \u20B9"+amount); }
36
37         System.out.println("Amount on maturity is \u20B9"+amount); }
```

**Output Tab:** Shows the run output for prg22.

```
-- exec:3.5.1:exec (default-cli) @ prg22 ---
Enter the sum of money deposited.
70000000
Enter the No. of days.
356
Amount on maturity is ?7.525E7
-----
BUILD SUCCESS
-----
Total time: 19.649 s
```

The screenshot shows an IDE interface with the following details:

**Top Bar:** File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help, prg23 ..., Search (Ctrl+I)

**Toolbar:** Includes icons for file operations like Open, Save, Print, and a search bar.

**Project Bar:** Shows multiple open files: Stacks.java, Prg18.java, Prg19.java, Prg20.java, Prg21.java, Prg22.java, and Prg23.java.

**Sidebar:** Projects, Files, Favorites, Services.

**Source Editor:** Displays the Java code for Prg23. The code reads input from the user (name, sum assured, annual premium) and calculates discount and commission based on the sum assured. It uses nested if-else statements to determine the discount rate.

```
6
7  /**
8  * @author LBSCCSA43
9  */
10 import java.util.*;
11 public class Prg23 {
12
13     public static void main(String[] args) {
14         Scanner sc = new Scanner(System.in);
15         System.out.println("Enter the name of the policy holder."); String name = sc.nextLine();
16         System.out.println("Enter the sum assured."); double sum = sc.nextDouble();
17         System.out.println("Enter the first annual premium"); double pre = sc.nextDouble();
18
19         double dis = 0.0, com = 0.0;
20         if(sum <= 100000){
21             dis = pre * 5.0/100.0;
22             com = sum * 2.0/100.0;
23
24         }else if(sum > 100000 && sum <= 200000){
25             dis = pre * 8.0/100.0;
26             com = sum * 3.0/100.0;
27         }else if(sum >= 200000 && sum <= 500000){
28             dis = pre * 10.0/100.0;
29             com = sum * 5.0/100.0;
30         }else if (sum > 500000){
31             dis = pre * 15.0/100.0;
32             com = sum * 7.5/100.0;
33         }
34         System.out.println("Name of policy holder : "+name);
35         System.out.println("Sum assured : \u20B9"+sum);
36         System.out.println("Premium : \u20B9"+pre);
37         System.out.println("Discount on first premium : \u20B9"+dis);
38         System.out.println("Commission of the agent : \u20B9"+com); }
```

**Output Panel:** Shows the run results for the program. The user inputs "kumar", "80000", and "8900". The program outputs the calculated values: Name of policy holder : kumar, Sum assured : ₹80000.0, Premium : ₹8900.0, Discount on first premium : ₹445.0, and Commission of the agent : ₹1600.0.

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

- Top Bar:** File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help, prg24..., Search (Ctrl+I).
- Toolbar:** Standard icons for file operations like Open, Save, Find, and Run.
- Project Tab:** Shows multiple Java files: Stacks.java, Prg18.java, Prg19.java, Prg20.java, Prg21.java, Prg22.java, Prg23.java, Prg24.java.
- Source Tab:** Active tab, showing the code for Prg24.java.
- Code Area:** The code for Prg24.java is displayed, calculating gross salary based on basic pay and allowances.
- Output Tab:** Shows the run output for Prg24.java.

```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3   */
4
5  package com.mycompany.prg24;
6
7  /**
8   *
9   * @author LBSCCSA43
10  */
11 import java.util.*;
12 public class Prg24 {
13
14     public static void main(String[] args) {
15         Scanner sc = new Scanner(System.in); System.out.println("Enter the name."); String name = sc.nextLine();
16         System.out.println("Enter the basic pay"); double basic = sc.nextDouble();
17         double da = 0.0, sa = 0.0;
18         if(basic <= 10000){
19             da = basic * 10.0/100.0;
20             sa = basic * 5.0/100.0;
21         }else if(basic > 10000 && basic <= 20000 ){ da = basic * 12.0/100.0;
22         sa = basic * 8.0/100.0;
23     }else if(basic > 20000 && basic <= 30000 ){
24         da = basic * 15.0/100.0;
25         sa = basic * 10.0/100.0;
26     }else if(basic > 30000){
27         da = basic * 20.0/100.0;
28         sa = basic * 12.0/100.0;
29     }
30     double gross = basic + da + sa;
31     System.out.println("Name\tBasic\tDA\tSpl.Allowance\tGross Salary");
32     System.out.println(name+"\t"+basic+"\t"+da+"\t"+sa+"\t "+gross);
33 }
34 }
```

**Output Tab Content:**

```
-- exec:3.5.1:exec (default-c11) @ prg24 --
Enter the name.
ram
Enter the basic pay
89787
Name      Basic      DA      Spl.Allowance      Gross Salary
ram      89787.0  17957.4  10774.44          118518.84
-----
BUILD SUCCESS
-----
```

The screenshot shows an IDE interface with two main panes. The top pane displays a Java source code editor for a file named Prg25.java. The code implements a program to convert between Fahrenheit and Celsius. The bottom pane shows the 'Output' window with the execution results.

```
7  /**
8  *
9  * @author 1BSCCSA43
10 */
11 import java.util.*;
12 public class Prg25 {
13
14     public static void main(String[] args) {
15         Scanner sc = new Scanner(System.in);
16         System.out.println("Type 1 to convert Farenheit to Celsius");
17         System.out.println("Type 2 to convert Celsius to Farenheit");
18         int num = sc.nextInt();
19         double f = 0.0, c = 0.0; switch(num){
20             case 1 :
21                 System.out.println("Enter temperature in Farenheit");
22                 f = sc.nextDouble();
23                 c = 5.0/9.0 * (f - 32);
24                 System.out.println("Temperature in Celsius : "+c);
25                 break ;
26             case 2 :
27                 System.out.println("Enter temperature in Celsius");
28                 c = sc.nextDouble();
29                 f = 1.8 * c+32;
30                 System.out.println("Temperature in Farenheit : "+f);
31                 break ;
32             default :
33                 System.out.println("Enter 1 or 2 and try again");
34             }
35         }
36     }
37 }
38
```

**Output X**

Run (prg23) × Run (prg24) × Run (prg25) ×

```
-- exec:j.5.1.exec (default=cli) @ prg25 --
Type 1 to convert Farenheit to Celsius
Type 2 to convert Celsius to Farenheit
1
Enter temperature in Farenheit
98
Temperature in Celsius : 36.66666666666667
-----
BUILD SUCCESS
-----
```

The screenshot shows a Java development environment with the following details:

**Code Editor (Prg26.java):**

```
7  /*
8  *
9  * @author 1BSCCSA43
10 */
11 import java.util.*;
12 public class Prg26 {
13
14     public static void main(String[] args) {
15         Scanner sc = new Scanner(System.in);
16         System.out.println("Enter 1 to find volume of cuboid."); System.out.println("Enter 2 to find volume of cylinder.");
17         System.out.println("Enter 3 to find volume of cone."); int choice = sc.nextInt();
18         final double Pi = 22/7; switch(choice){
19             case 1 :
20                 System.out.println("Enter length, breadth and height of a cuboid"); double l = sc.nextDouble();
21                 double b = sc.nextDouble(); double h = sc.nextDouble(); double v = l*b*h;
22                 System.out.println("Volume of the cuboid is "+v);
23                 break;
24             case 2 :
25                 System.out.println("Enter radius and height of a cylinder"); double r = sc.nextDouble();
26                 double hei = sc.nextDouble();
27                 double vol = Pi * Math.pow(r,2) * hei;
28                 System.out.println("Volume of the cylinder is "+vol);
29                 break;
30             case 3 :
31                 System.out.println("Enter radius and height of a cone"); double rad = sc.nextDouble();
32                 double height = sc.nextDouble();
33                 double volume = 1/3.0 * Pi * Math.pow(rad,2) * height;
34                 System.out.println("Volume of the cone is "+volume);
35                 break;
36             default :
37                 System.out.println("Invalid Input!!!\nTry again.");
38             }
39         }
40     }
```

**Output Window:**

- Run (prg23) ×
- Run (prg24) ×
- Run (prg26) ×

```
-- exec:3.5.1:exec (default-cli) @ prg26 ---
Enter 1 to find volume of cuboid.
Enter 2 to find volume of cylinder.
Enter 3 to find volume of cone.
3
Enter radius and height of a cone
6
13
Volume of the cone is 468.0
```