

Prg 20:

The screenshot displays an IDE with the following components:

- Top Bar:** Menus (File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help) and a search bar.
- Project Explorer:** Shows a project structure with packages like 'com.mycomp' and 'Test Packages'. The file 'Prg21.java' is selected.
- Source Editor:** Contains the Java code for 'Prg21.java'. The code defines a 'main' method that prompts the user for name, age, and income, then calculates a tax amount based on the income.
- Output Console:** Shows the execution results of 'Prg21.java'. It includes build logs and the runtime output of the program.

Source Code (Prg21.java):

```

7  /**
8   *
9   * @author 1BSCCSA59
10  */
11  import java.util.*;
12  public class Prg21 {
13
14      public static void main(String[] args) {
15          Scanner sc = new Scanner(System.in);
16          System.out.println("Enter your name.");
17          String name = sc.nextLine();
18          System.out.println("Enter your age."); int
19          age = sc.nextInt();
20          System.out.println("Enter your income.");
21          double ti = sc.nextDouble();
22          double tax;
23          if (age > 60) {
24              System.out.println("Wrong category");
25          } else {
26              if (ti <= 250000) {
27                  System.out.println("Name : "+name);
28                  System.out.println("Tax amount : Nil"); } else
29              if (ti > 250000 && ti <= 500000) {
30                  tax = (ti - 160000) * 0.1;
31                  System.out.println("Name : "+name);
32                  System.out.println("Tax amount : \u20B9"+tax);
33              } else if (ti > 500000 && ti <= 1000000) {
34                  tax = (ti - 500000) * 0.2 + 34000;
35                  System.out.println("&Name : "+name);
36                  System.out.println("Tax amount : \u20B9"+tax); } else
37              if (ti > 1000000) {
38                  tax = (ti - 1000000) * 0.2 + 94000;
39                  System.out.println("Name : "+name);
40                  System.out.println("Tax amount : \u20B9"+tax);
41              }
42          }
43      }
44  }
45  }

```

Output - Run (prg21):

```

--- resources:3.3.1:resources (default)
skip non existing resourceDirectory (

--- compiler:3.13.0:compile (default)
Recompiling the module because of cha
Compiling 1 source file with javac [c

--- exec:3.5.1:exec (default-cli) @ 1
Enter your name.
sarvesh
Enter your age.
21
Enter your income.
350000
Name :sarvesh
Tax amount : ?19000.0

BUILD SUCCESS

Total time: 33.613 s
Finished at: 2026-02-10T13:21:35+05:00

```