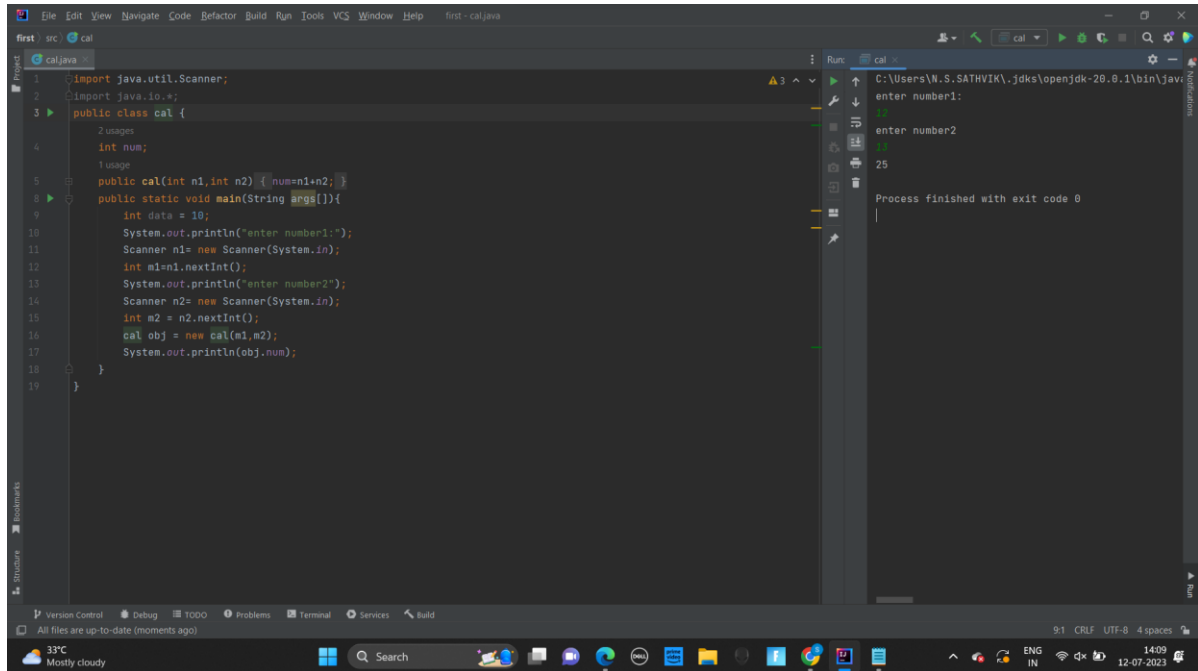


DAY-3 PROGRAMS

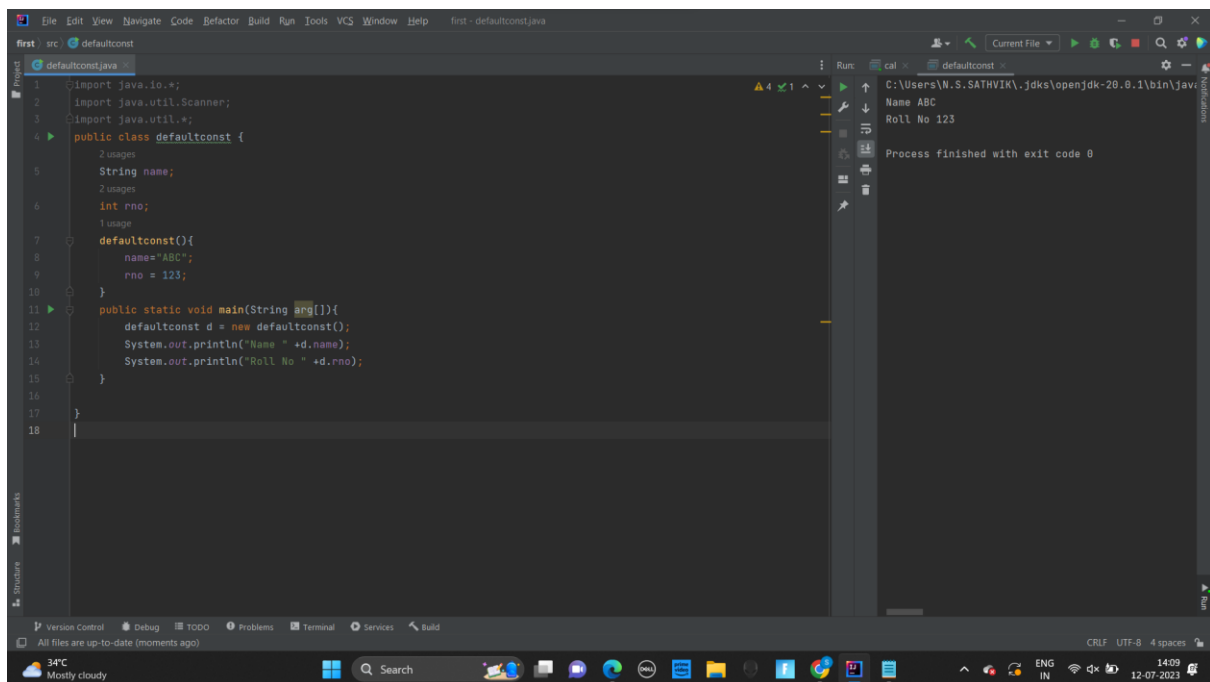
1.Classes and Objects



```
1 import java.util.Scanner;
2 import java.io.*;
3 public class cal {
4     int num;
5     public cal(int n1,int n2) { num=n1+n2; }
6     public static void main(String args[]){
7         int data = 10;
8         System.out.println("enter number1:");
9         Scanner n1= new Scanner(System.in);
10        int m1=n1.nextInt();
11        System.out.println("enter number2");
12        Scanner n2= new Scanner(System.in);
13        int m2 = n2.nextInt();
14        cal obj = new cal(m1,m2);
15        System.out.println(obj.num);
16    }
17 }
```

Run: cal - C:\Users\N.S.SATHVIK\.jdk\openjdk-20.0.1\bin\javac.exe
enter number1:
10
enter number2:
25
25
Process finished with exit code 0

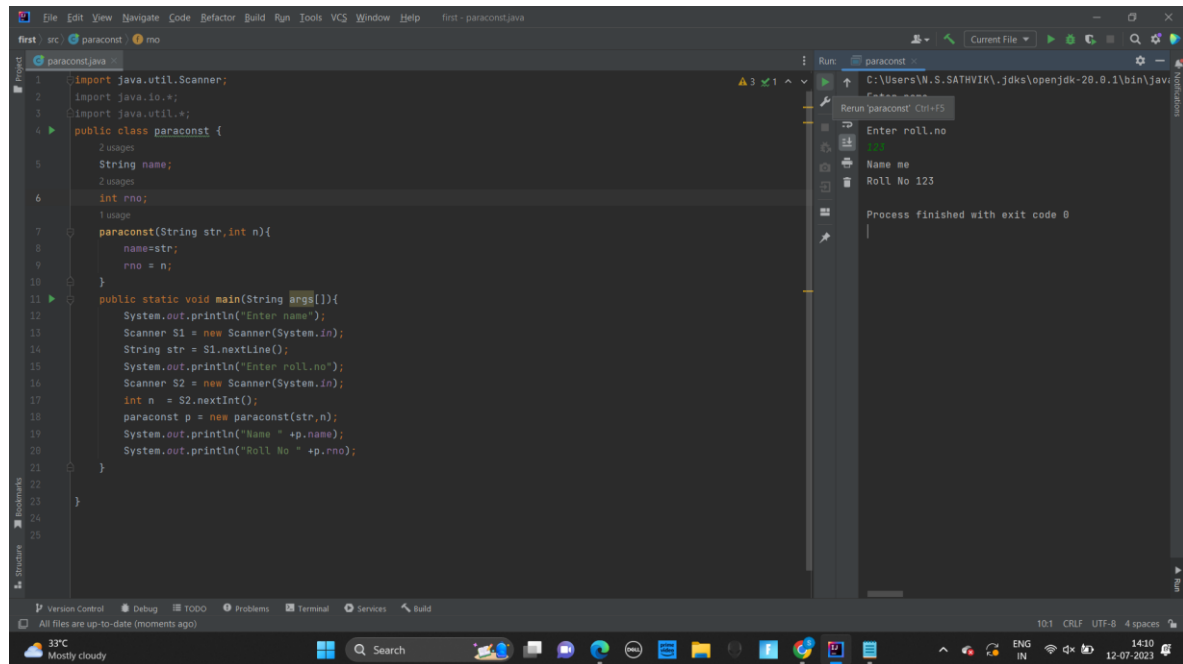
2.Default Constructor



```
1 import java.io.*;
2 import java.util.Scanner;
3 import java.util.*;
4 public class defaultconst {
5     String name;
6     int rno;
7     defaultconst(){
8         name="ABC";
9         rno = 123;
10    }
11    public static void main(String args[]){
12        defaultconst d = new defaultconst();
13        System.out.println("Name " +d.name);
14        System.out.println("Roll No " +d.rno);
15    }
16 }
17
18
```

Run: defaultconst - C:\Users\N.S.SATHVIK\.jdk\openjdk-20.0.1\bin\javac.exe
Name ABC
Roll No 123
Process finished with exit code 0

3. Parameterized Constructor



The screenshot displays an IDE window with a Java file named `paraconst.java`. The code defines a class `paraconst` with a parameterized constructor and a `main` method. The constructor takes a `String` and an `int` as arguments. The `main` method uses `Scanner` to take user input for a name and a roll number, then creates an instance of `paraconst` and prints its details.

```
1 import java.util.Scanner;
2 import java.io.*;
3 import java.util.*;
4 public class paraconst {
5     String name;
6     int rno;
7     paraconst(String str,int n){
8         name=str;
9         rno = n;
10    }
11    public static void main(String args[]){
12        System.out.println("Enter name");
13        Scanner S1 = new Scanner(System.in);
14        String str = S1.nextLine();
15        System.out.println("Enter roll.no");
16        Scanner S2 = new Scanner(System.in);
17        int n = S2.nextInt();
18        paraconst p = new paraconst(str,n);
19        System.out.println("Name " +p.name);
20        System.out.println("Roll No " +p.rno);
21    }
22 }
23
24
25
```

The Run console on the right shows the execution output:

```
Run: paraconst
C:\Users\W.S.SATHVIK\jdk\openjdk-20.0.1\bin\java
Enter roll.no
123
Name me
Roll No 123
Process finished with exit code 0
```