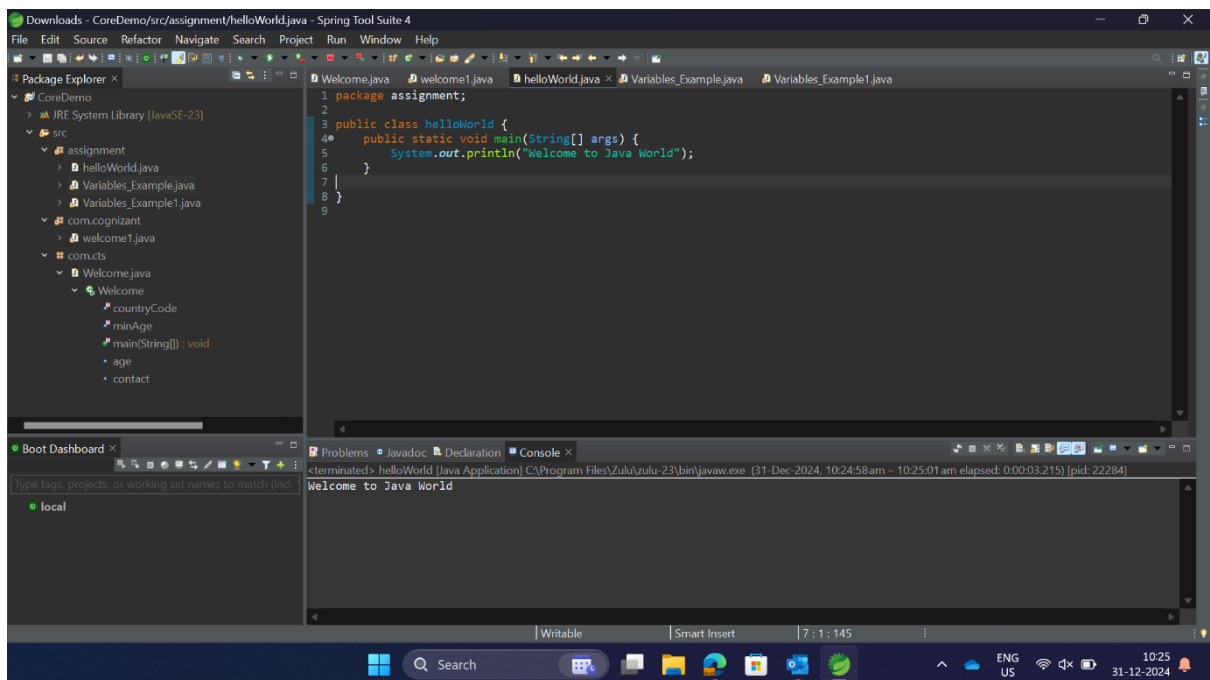


ASSIGNMENT-1

1)create a java program to print welcome message.

classname:HelloWorld

Sample Output:Welcome To Java World



2)Write a Java Program to Print whether two number's are equal or not

classname:Variables_Example

variableNames:

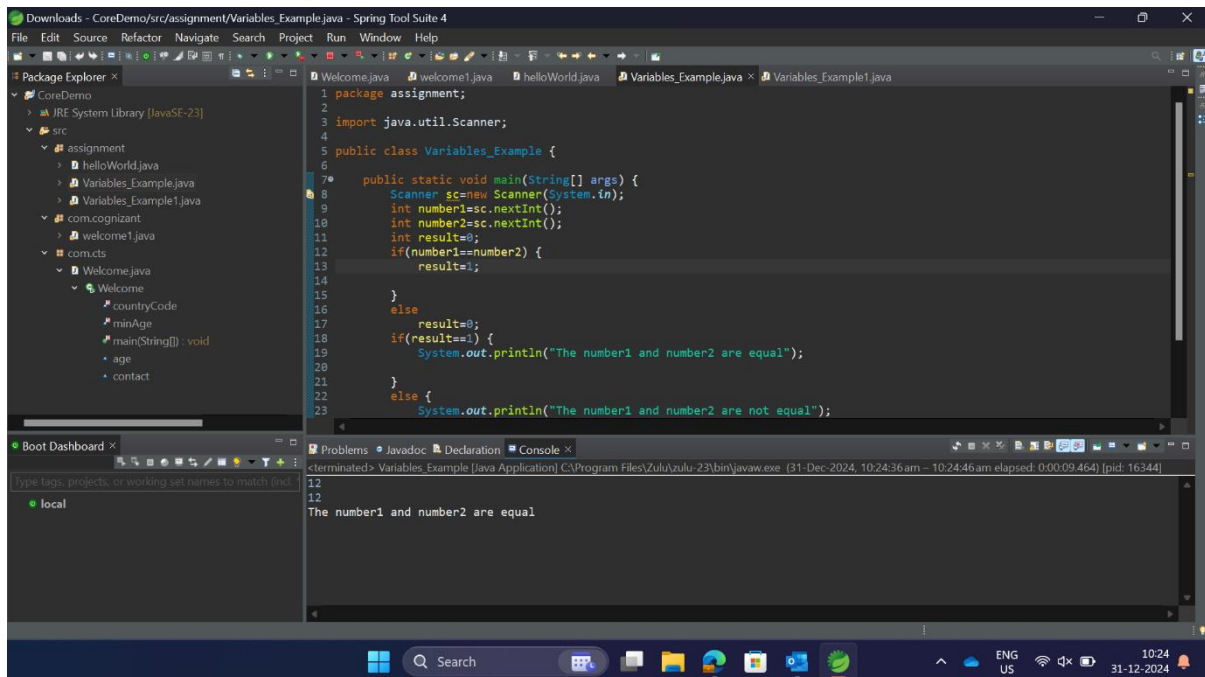
number1,number2,result

i)Sample Input :number1=12,number2=13

Sample Output:number1 and number2 values are not equal

ii)Sample Input :number1=100,number2=100

Sample Output:number1 and number2 values are equal



The screenshot shows an IDE window titled "Downloads - CoreDemo/src/assignment/Variables_Example.java - Spring Tool Suite 4". The editor displays the following Java code:

```
1 package assignment;
2
3 import java.util.Scanner;
4
5 public class Variables_Example {
6
7     public static void main(String[] args) {
8         Scanner sc=new Scanner(System.in);
9         int number1=sc.nextInt();
10        int number2=sc.nextInt();
11        int result=0;
12        if(number1==number2) {
13            result=1;
14        }
15        else
16            result=0;
17        if(result==1) {
18            System.out.println("The number1 and number2 are equal");
19        }
20        else {
21            System.out.println("The number1 and number2 are not equal");
22        }
23    }
24 }
```

The Package Explorer on the left shows the project structure. The Console window at the bottom displays the output of the program:

```
<terminated> Variables_Example [Java Application] C:\Program Files\Zulu\zulu-23\bin\javaw.exe (31-Dec-2024, 10:24:36 am - 10:24:46 am elapsed: 0:00:09.464) [pid: 16344]
12
12
The number1 and number2 are equal
```

The Windows taskbar at the bottom shows the date and time as 10:24 on 31-12-2024.

3) Write a Java Program to print sum, avg, sub, mul of three numbers

classname: Variables_Example1

variableNames: number1, number2, number3, result, average, sum_result, mul_result

i) Sample Input : number1=12, number2=13, number3=11

Sample Output: sum of three numbers is :36 (12+13+11)

average of three numbers is :36 36/3=12

The screenshot shows the Spring Tool Suite 4 IDE with the following components:

- Package Explorer:** Displays the project structure with folders like 'CoreDemo', 'src', and 'assignment'. The file 'Variables_Example1.java' is selected.
- Editor:** Contains the Java code for 'Variables_Example1.java'. The code imports 'Scanner' and defines a 'main' method that takes three integers as input, calculates their sum, average, multiplication, and subtraction, and prints the results.
- Console:** Shows the output of the program: 'sum of three numbers is 27', 'average of three numbers is 9.0', 'mul of three numbers is 158', and 'sub of three numbers is -3'.
- Problems:** Shows a message indicating that the program terminated successfully.

```
1 package assignment;
2 import java.util.Scanner;
3
4 public class Variables_Example1 {
5
6     public static void main(String[] args) {
7         Scanner sc = new Scanner(System.in);
8         int number1 = sc.nextInt();
9         int number2 = sc.nextInt();
10        int number3 = sc.nextInt();
11        int result = 0; float average = 0.0f; int sum_result = 0; int mul_result = 0;
12        sum_result = number1 + number2 + number3;
13        average = sum_result / 3;
14        result = number1 - number2 - number3;
15        mul_result = number1 * number2 * number3;
16        System.out.println("sum of three numbers is " + sum_result);
17        System.out.println("average of three numbers is " + average);
18        System.out.println("mul of three numbers is " + mul_result);
19        System.out.println("sub of three numbers is " + result);
20    }
21 }
22
23 }
```

sum of three numbers is 27
average of three numbers is 9.0
mul of three numbers is 158
sub of three numbers is -3