

## JAVA-WEEK-01

The screenshot shows a Java code editor interface. At the top, there are tabs for "Welcome" and "LargestOfThree.java". The main area displays the following Java code:

```
1 import java.util.Scanner;
2
3 class LargestOfThree {
4     Run main | Debug main
5     public static void main(String[] args) {
6         Scanner sc = new Scanner(System.in);
7
8         int a, b, c;
9         System.out.print("Enter three numbers: ");
10        a = sc.nextInt();
11        b = sc.nextInt();
12        c = sc.nextInt();
13
14        if (a >= b && a >= c)
15            System.out.println("Largest = " + a);
16        else if (b >= a && b >= c)
17            System.out.println("Largest = " + b);
18        else
19            System.out.println("Largest = " + c);
20    }
21}
```

Below the code editor, there is a navigation bar with tabs: PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is underlined), and PORTS.

Under the navigation bar, there is a terminal window showing the execution of the program:

- PS C:\Users\Nagendra\Desktop\SHIRISHA B R> **javac** LargestOfThree.java
- PS C:\Users\Nagendra\Desktop\SHIRISHA B R> **java** LargestOfThree  
Enter three numbers: 2 5 7  
Largest = 7
- PS C:\Users\Nagendra\Desktop\SHIRISHA B R> █

The screenshot shows a Java code editor interface with a dark theme. At the top, there are two tabs: "Welcome" and "Calculator.java 1 X". The main area displays the following Java code:

```
Calculator.java > Calculator > main(String[] args)
1 import java.util.Scanner;
2
3 class Calculator {
4     Run main | Debug main
5     public static void main(String[] args) {
6         Scanner sc = new Scanner(System.in);
7
8         int a, b, choice;
9         System.out.print("Enter two numbers: ");
10        a = sc.nextInt();
11        b = sc.nextInt();
12
13        System.out.println("1.Add 2.Subtract 3.Multiply 4.Divide");
14        System.out.print("Enter choice: ");
15        choice = sc.nextInt();
16
17        switch (choice) {
18            case 1: System.out.println("Result = " + (a + b)); break;
19            case 2: System.out.println("Result = " + (a - b)); break;
20            case 3: System.out.println("Result = " + (a * b)); break;
21            case 4: System.out.println("Result = " + (a / b)); break;
22            default: System.out.println("Invalid Choice");
23        }
24    }
25}
```

Below the code editor, there is a navigation bar with tabs: PROBLEMS (1), OUTPUT, DEBUG CONSOLE, TERMINAL (underlined), and PORTS.

The terminal window below shows the execution of the Java program:

```
PS C:\Users\Nagendra\Desktop\SHIRISHA B R> java Calculator
Enter two numbers: 30 50
1.Add 2.Subtract 3.Multiply 4.Divide
Enter choice: 1
Result = 80
PS C:\Users\Nagendra\Desktop\SHIRISHA B R>
```

J Palindrome.java X J SumOfTwoPrimes.java

J Palindrome.java > ...

```
1 import java.util.Scanner;
2
3 class Palindrome {
    Run main | Debug main
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6
7         int n, rev = 0, temp;
8         System.out.print("Enter a number: ");
9         n = sc.nextInt();
10
11         temp = n;
12         while (n != 0) {
13             rev = rev * 10 + n % 10;
14             n = n / 10;
15         }
16
17         if (temp == rev)
18             System.out.println("Palindrome Number");
19         else
20             System.out.println("Not a Palindrome Number");
21     }
22 }
23
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

- PS C:\Users\Nagendra\Desktop\SHIRISHA B R> **javac** SumOfTwoPrimes.java
- PS C:\Users\Nagendra\Desktop\SHIRISHA B R> **java** SumOfTwoPrimes  
Enter a number: 30  
30 = 7 + 23  
30 = 11 + 19  
30 = 13 + 17
- PS C:\Users\Nagendra\Desktop\SHIRISHA B R>

The screenshot shows a Java code editor interface with the following details:

- File Tabs:** "Welcome" and "Palindrome.java X".
- Code Content:** A Java program named "Palindrome" that checks if a given number is a palindrome. It uses a Scanner to read input from the user and prints whether it is a palindrome or not.

```
1 import java.util.Scanner;
2
3 class Palindrome {
4     Run main | Debug main
5     public static void main(String[] args) {
6         Scanner sc = new Scanner(System.in);
7
7         int n, rev = 0, temp;
8         System.out.print("Enter a number: ");
9         n = sc.nextInt();
10
11         temp = n;
12         while (n != 0) {
13             rev = rev * 10 + n % 10;
14             n = n / 10;
15         }
16
17         if (temp == rev)
18             System.out.println("Palindrome Number");
19         else
20             System.out.println("Not a Palindrome Number");
21     }
22 }
23
```

- Terminal Output:** The terminal window shows the execution of the program, where it asks for a number, receives 10, and correctly identifies it as "Not a Palindrome Number". It also shows successful compilation and execution for other inputs like 4 and 11.

PROBLEMS	1
OUTPUT	DEBUG CONSOLE
TERMINAL	PORTS

  - PS C:\Users\Nagendra\Desktop\SHIRISHA B R> **javac** Palindrome.java
  - PS C:\Users\Nagendra\Desktop\SHIRISHA B R> **java** Palindrome  
Enter a number: 10  
Not a Palindrome Number
  - PS C:\Users\Nagendra\Desktop\SHIRISHA B R> **java** Palindrome  
Enter a number: 4  
Palindrome Number
  - PS C:\Users\Nagendra\Desktop\SHIRISHA B R>