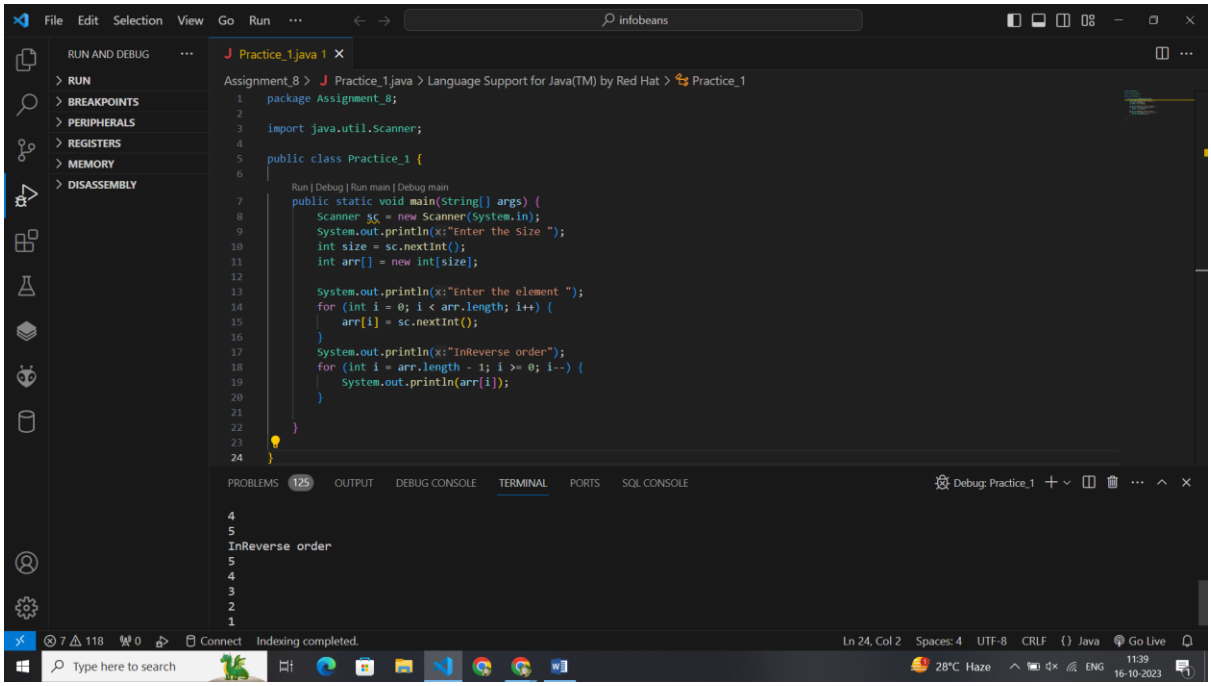
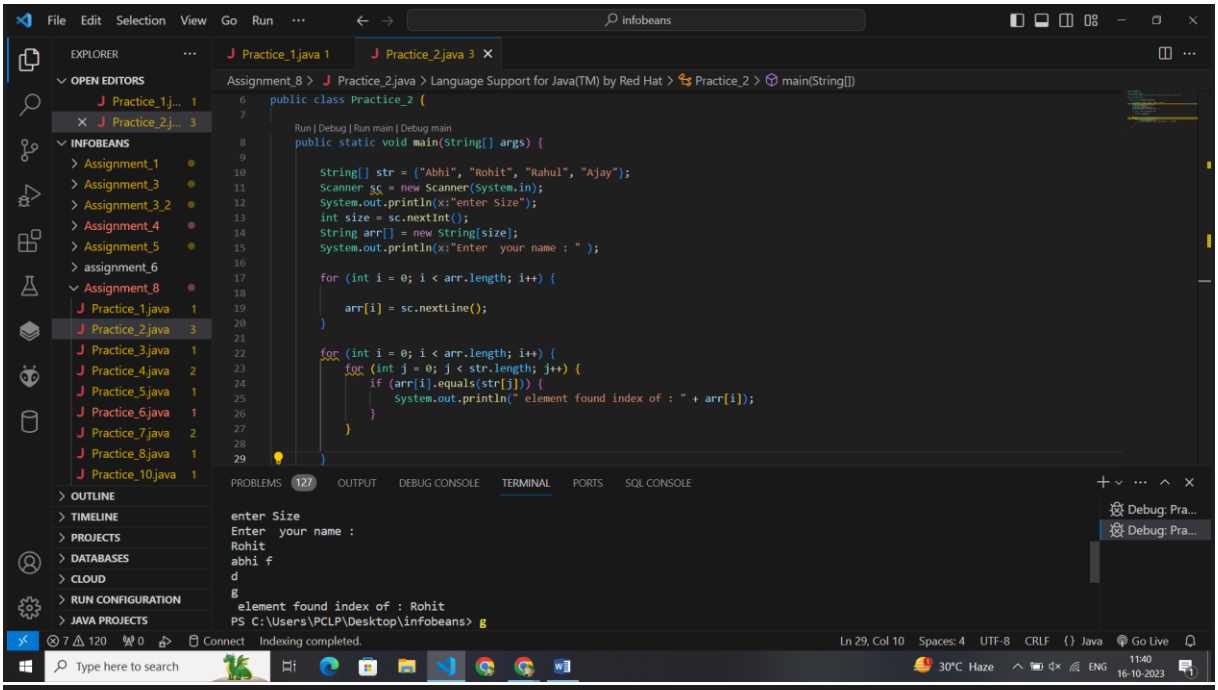
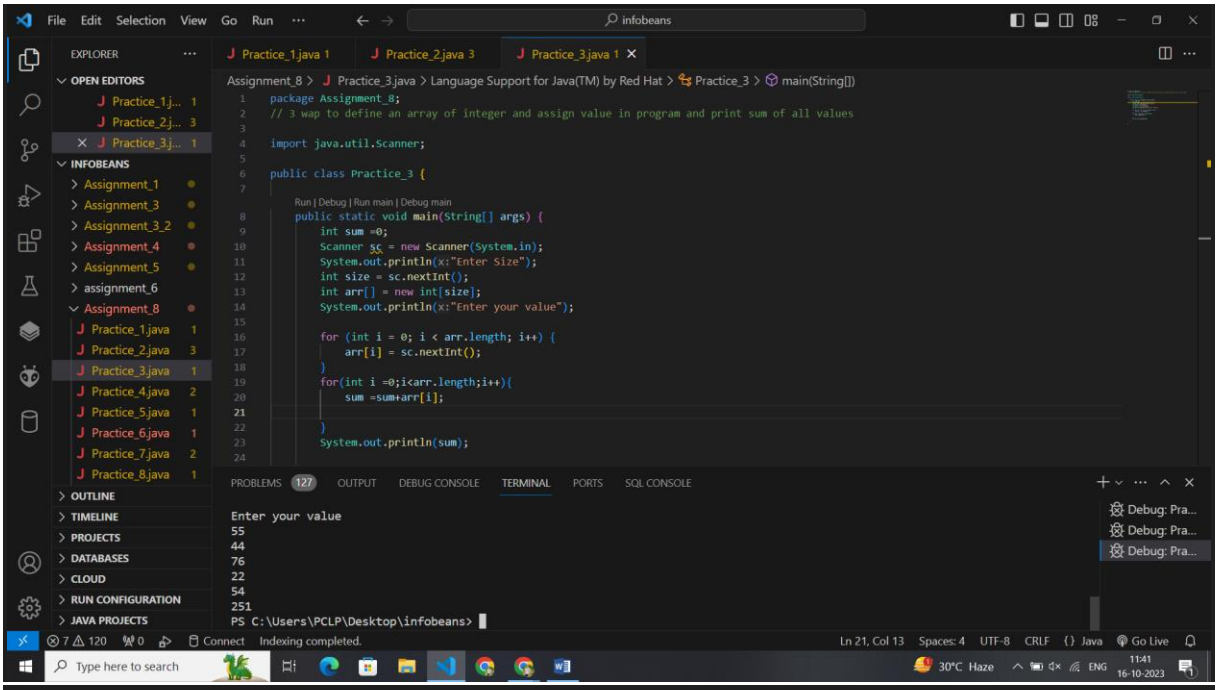


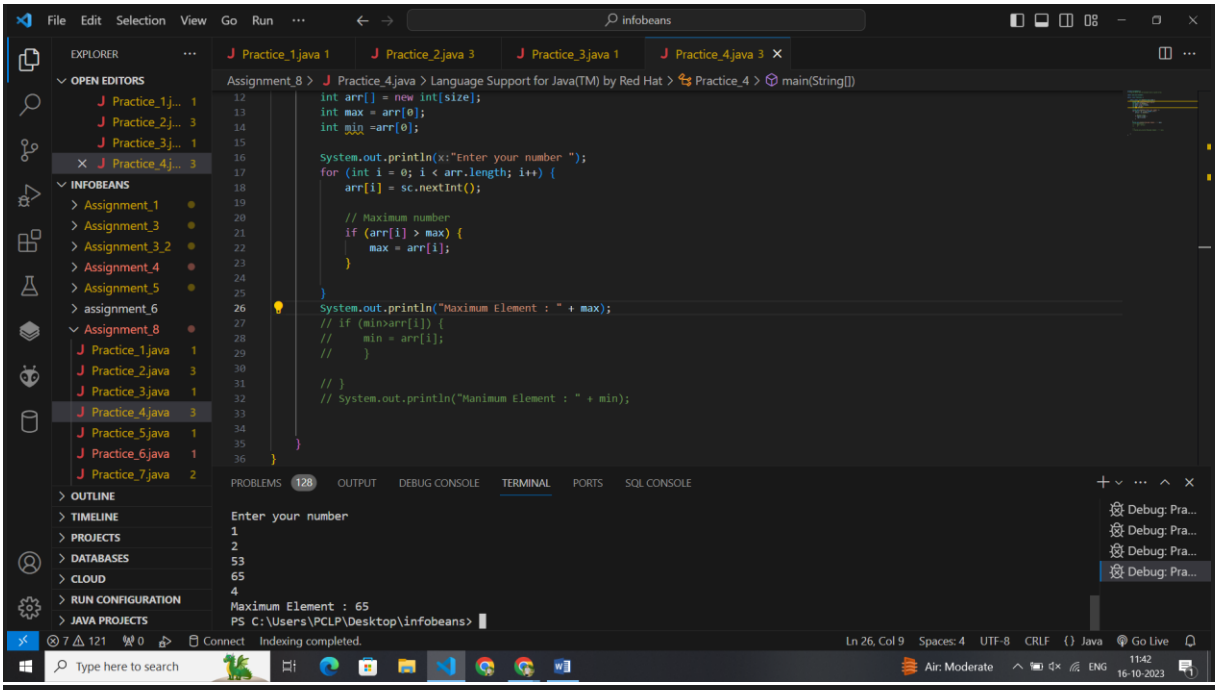

```java
package Assignment_8;

import java.util.Scanner;

public class Practice_1 {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the Size ");
        int size = sc.nextInt();
        int arr[] = new int[size];

        System.out.println("Enter the element ");
        for (int i = 0; i < arr.length; i++) {
            arr[i] = sc.nextInt();
        }
        System.out.println("InReverse order");
        for (int i = arr.length - 1; i >= 0; i--) {
            System.out.println(arr[i]);
        }

    }

}
```



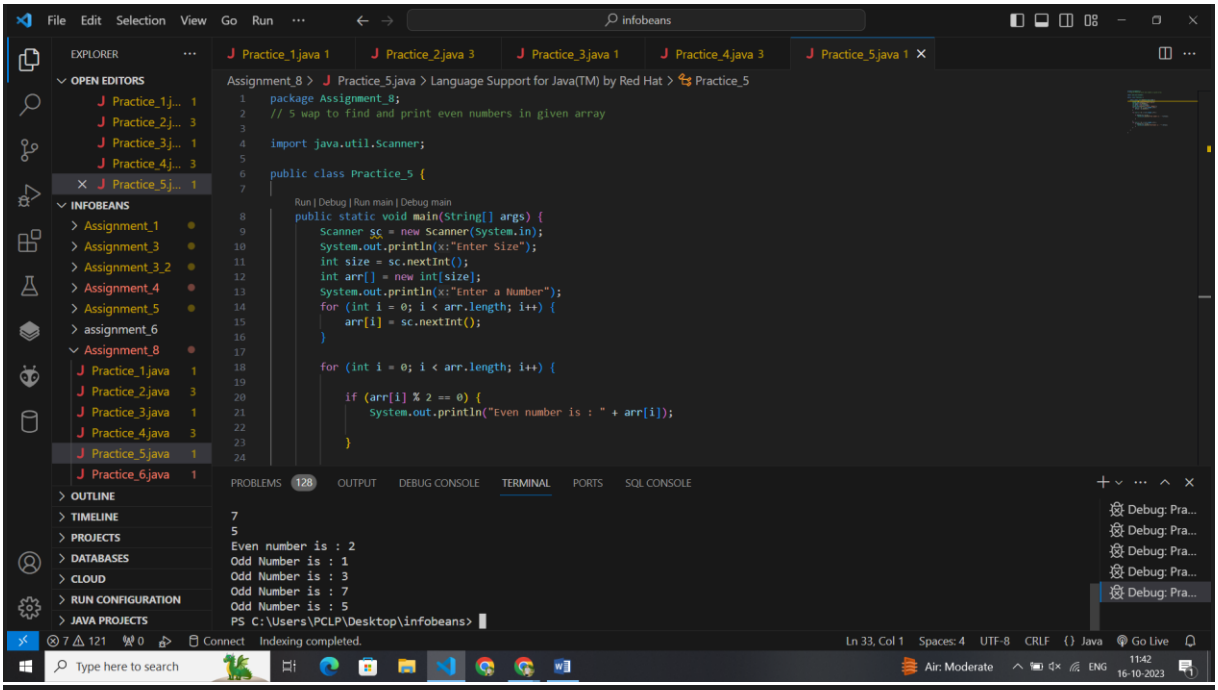

```java
package Assignment_8;


import java.util.Scanner;
// 2 wap to ask 5 names from user and check if particular name exists in array or not .

public class Practice_2 {

    public static void main(String[] args) {

        String[] str = {"Abhi", "Rohit", "Rahul", "Ajay"};
        Scanner sc = new Scanner(System.in);
        System.out.println("enter Size");
        int size = sc.nextInt();
        String arr[] = new String[size];
        System.out.println("Enter  your name : " );

        for (int i = 0; i < arr.length; i++) {

            arr[i] = sc.nextLine();
        }

        for (int i = 0; i < arr.length; i++) {
            for (int j = 0; j < str.length; j++) {
                if (arr[i].equals(str[j])) {
                    System.out.println(" element found index of : " + arr[i]);
                }
            }

        }
    }
}
```




```java
package Assignment_8;

// 3 wap to define an array of integer and assign value in program and print sum of all values

import java.util.Scanner;

public class Practice_3 {

    public static void main(String[] args) {
        int sum =0;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter Size");
        int size = sc.nextInt();
        int arr[] = new int[size];
        System.out.println("Enter your value");

        for (int i = 0; i < arr.length; i++) {
            arr[i] = sc.nextInt();
        }
        for(int i =0;i<arr.length;i++){
            sum =sum+arr[i];

        }
        System.out.println(sum);

    }

}
```

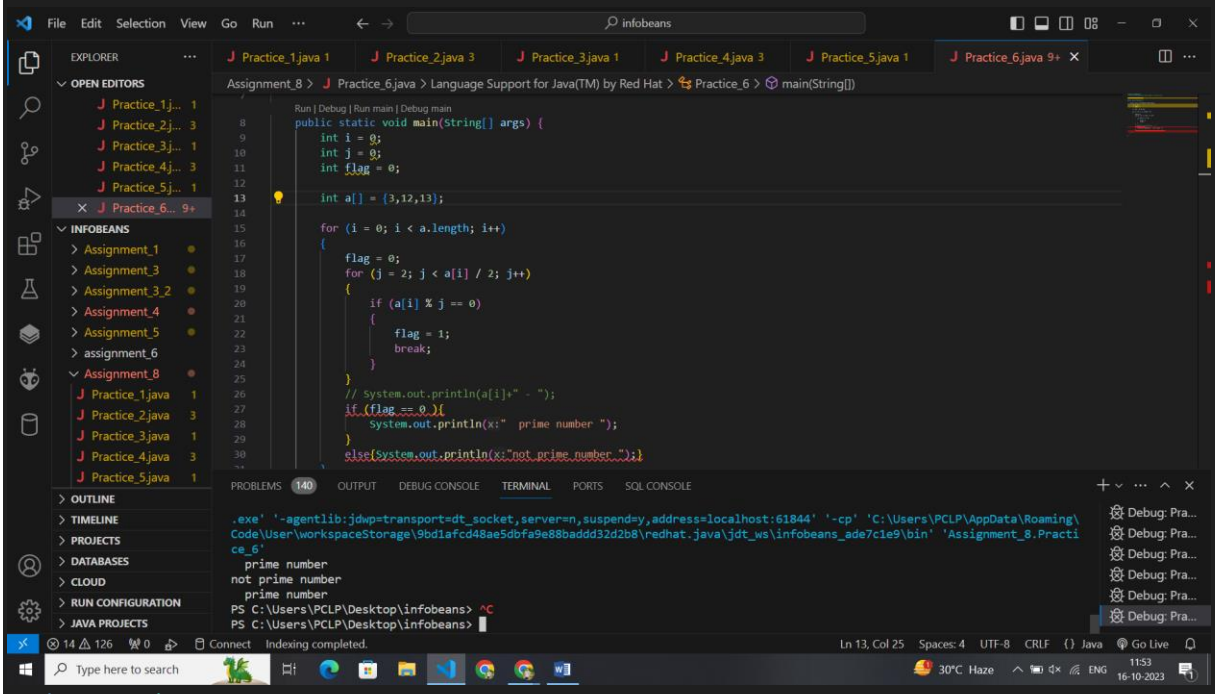



```java
package Assignment_8;

// 4 wap to print max and minimum value in given array

import java.util.Scanner;

public class Practice_4 {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("enter Size");
        int size = sc.nextInt();
        int arr[] = new int[size];
        int max = arr[0];
        int min =arr[0];

        System.out.println("Enter your number ");
        for (int i = 0; i < arr.length; i++) {
            arr[i] = sc.nextInt();

            // Maximum number
            if (arr[i] > max) {
                max = arr[i];
            }

        }
        System.out.println("Maximum Element : " + max);
        // if (min>arr[i]) {
        //     min = arr[i];
        //     }

        // }
        // System.out.println("Manimum Element : " + min);


    }
}
```

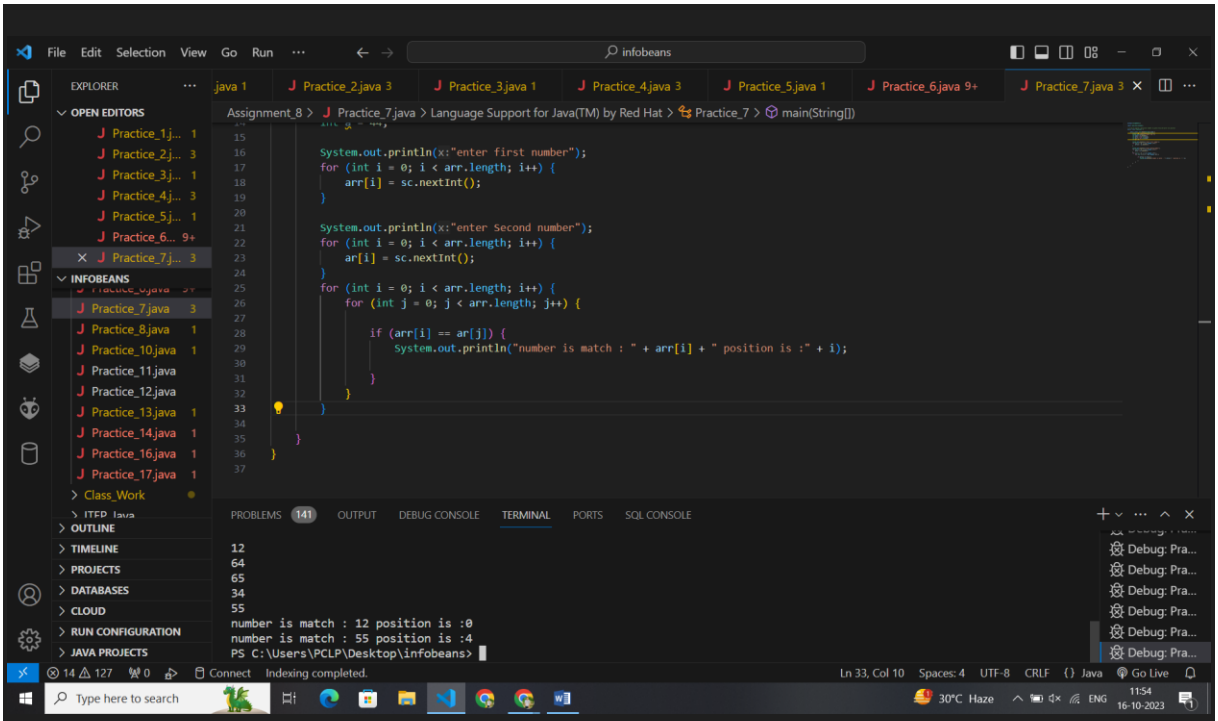



```java
package Assignment_8;

// 5 wap to find and print even numbers in given array

import java.util.Scanner;

public class Practice_5 {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter Size");
        int size = sc.nextInt();
        int arr[] = new int[size];
        System.out.println("Enter a Number");
        for (int i = 0; i < arr.length; i++) {
            arr[i] = sc.nextInt();
        }

        for (int i = 0; i < arr.length; i++) {

            if (arr[i] % 2 == 0) {
                System.out.println("Even number is : " + arr[i]);

            }

        }
        for (int i = 0; i < arr.length; i++) {
            if (arr[i] % 2 != 0) {
                System.out.println("Odd Number is : " + arr[i]);
            }
        }

    }
```

}

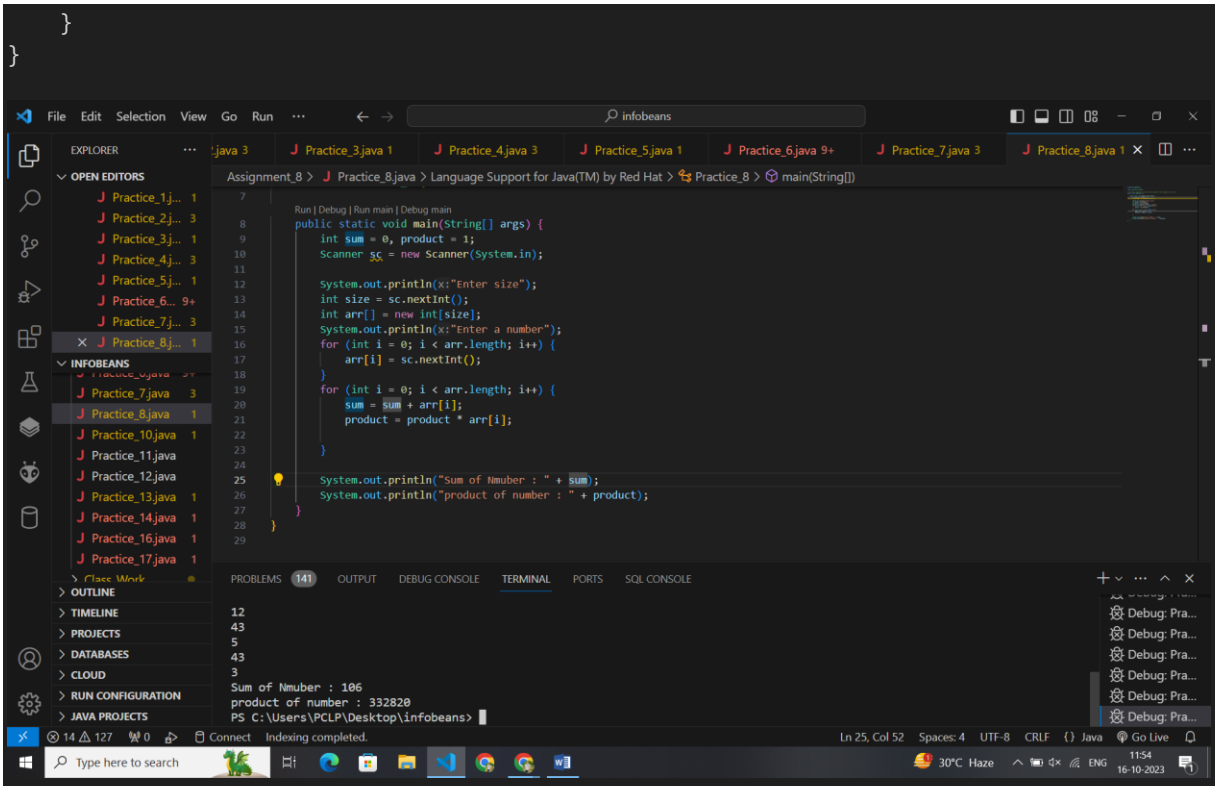



```java
package Assignment_8;

// 6 wap to find and print prime numbers in given array

import java.util.Scanner;

public class Practice_6 {

    public static void main(String[] args) {
        int i = 0;
        int j = 0;
        int flag = 0;

        int a[] = {3,12,13};

        for (i = 0; i < a.length; i++)
        {
            flag = 0;
            for (j = 2; j < a[i] / 2; j++)
            {
                if (a[i] % j == 0)
                {
                    flag = 1;
                    break;
                }
            }
            // System.out.println(a[i]+" - ");
            if (flag == 0 ){
                System.out.println("  prime number ");
            }
            else{System.out.println("not prime number ");}
        }
    }

}
```

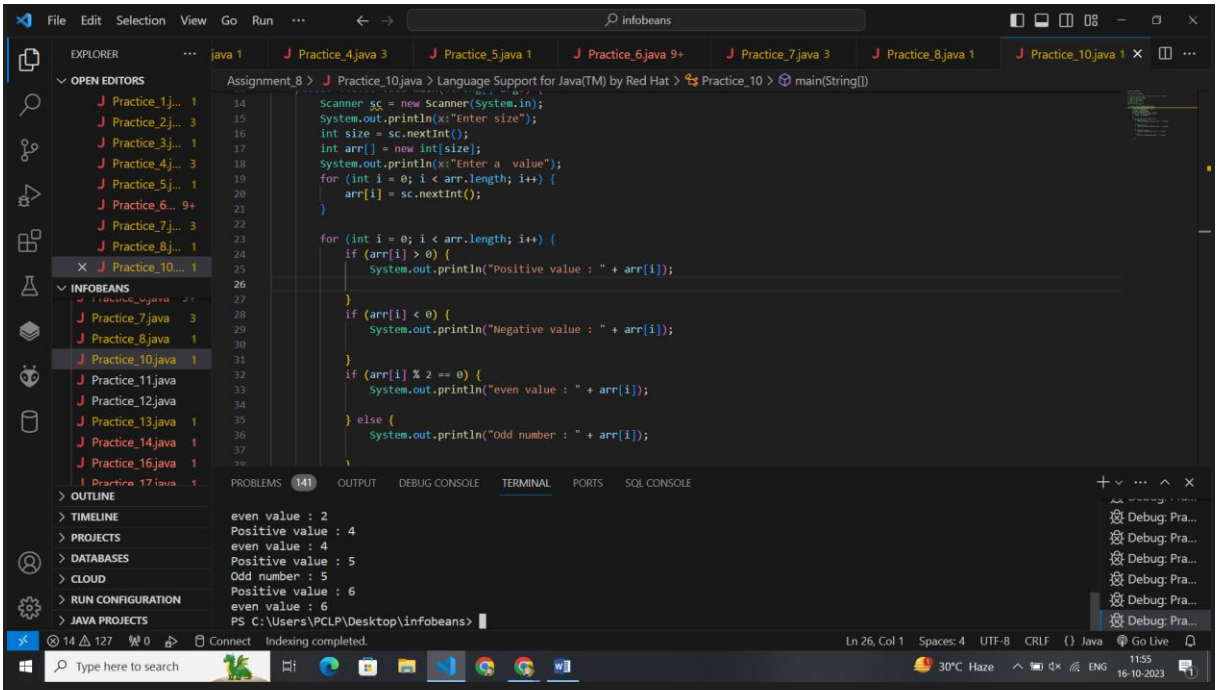



```java
package Assignment_8;

import java.util.Scanner;

// 7 wap to search a particular number in given array and print its position
public class Practice_7 {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("enter size ");
        int size = sc.nextInt();
        int arr[] = new int[size];
        int ar[] = new int[size];
        int a = 44;

        System.out.println("enter first number");
        for (int i = 0; i < arr.length; i++) {
            arr[i] = sc.nextInt();
        }

        System.out.println("enter Second number");
        for (int i = 0; i < arr.length; i++) {
            ar[i] = sc.nextInt();
        }
        for (int i = 0; i < arr.length; i++) {
            for (int j = 0; j < arr.length; j++) {

                if (arr[i] == ar[j]) {
                    System.out.println("number is match : " + arr[i] + " position is :" +
i);


                }
            }
        }
```

```
    }
}
```

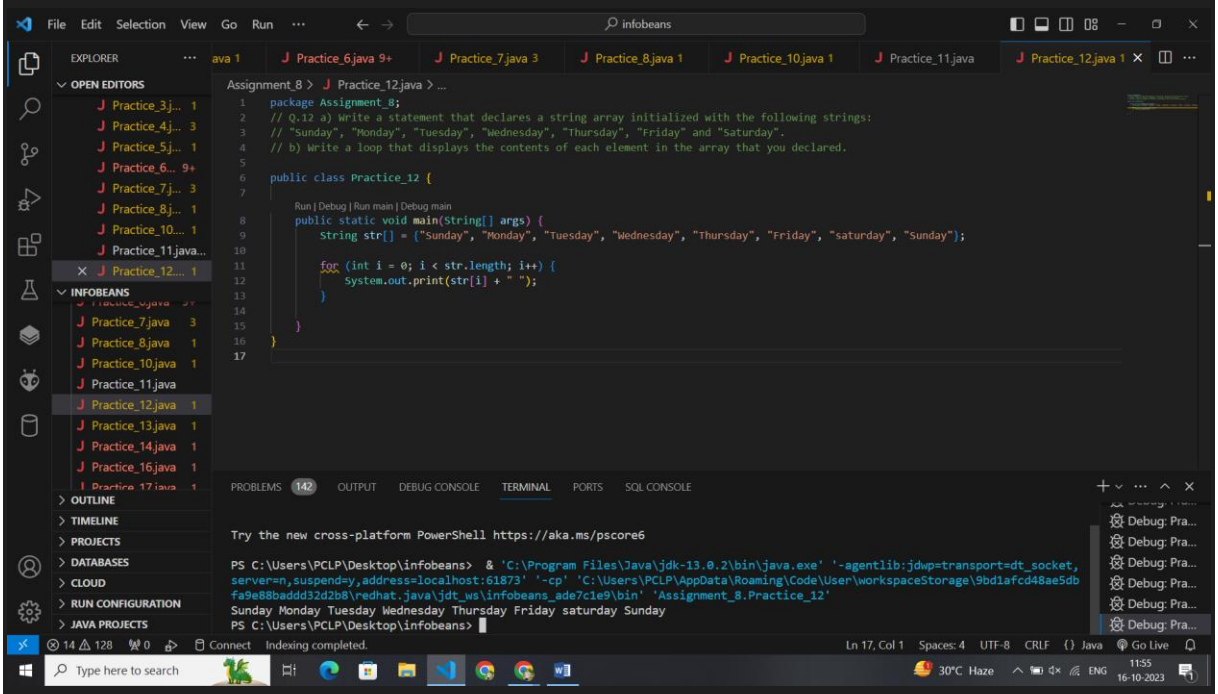



```java
package Assignment_8;

import java.util.Scanner;

// 8.Write a program to find the sum and product of all elements of an array.
public class Practice_8 {

    public static void main(String[] args) {
        int sum = 0, product = 1;
        Scanner sc = new Scanner(System.in);

        System.out.println("Enter size");
        int size = sc.nextInt();
        int arr[] = new int[size];
        System.out.println("Enter a number");
        for (int i = 0; i < arr.length; i++) {
            arr[i] = sc.nextInt();
        }
        for (int i = 0; i < arr.length; i++) {
            sum = sum + arr[i];
            product = product * arr[i];

        }

        System.out.println("Sum of Nmuber : " + sum);
        System.out.println("product of number : " + product);
    }
}
```

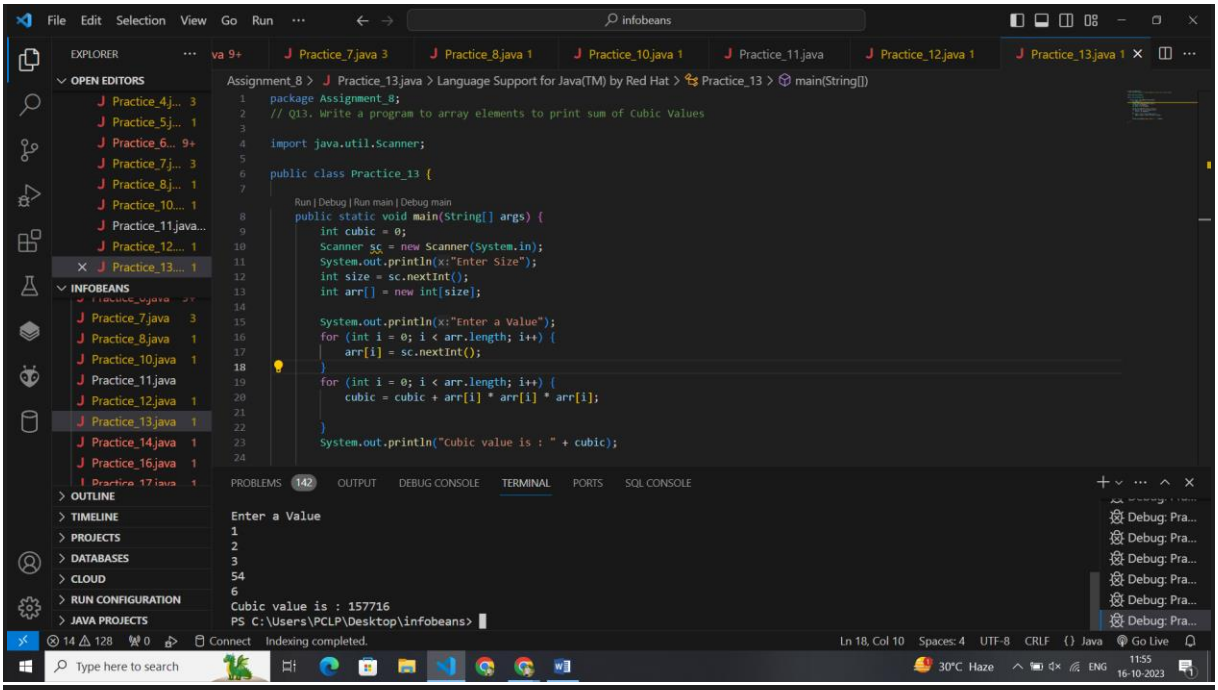



```java
package Assignment_8;


import java.util.Scanner;

// 10.Take 20 integer inputs from user and print the following:
// number of positive numbers
// number of negative numbers
// number of odd numbers
// number of even numbers
// number of 0s.
public class Practice_10 {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter size");
        int size = sc.nextInt();
        int arr[] = new int[size];
        System.out.println("Enter a  value");
        for (int i = 0; i < arr.length; i++) {
            arr[i] = sc.nextInt();
        }

        for (int i = 0; i < arr.length; i++) {
            if (arr[i] > 0) {
                System.out.println("Positive value : " + arr[i]);

            }
            if (arr[i] < 0) {
                System.out.println("Negative value : " + arr[i]);

            }
            if (arr[i] % 2 == 0) {
                System.out.println("even value : " + arr[i]);

            } else {
                System.out.println("Odd number : " + arr[i]);
```

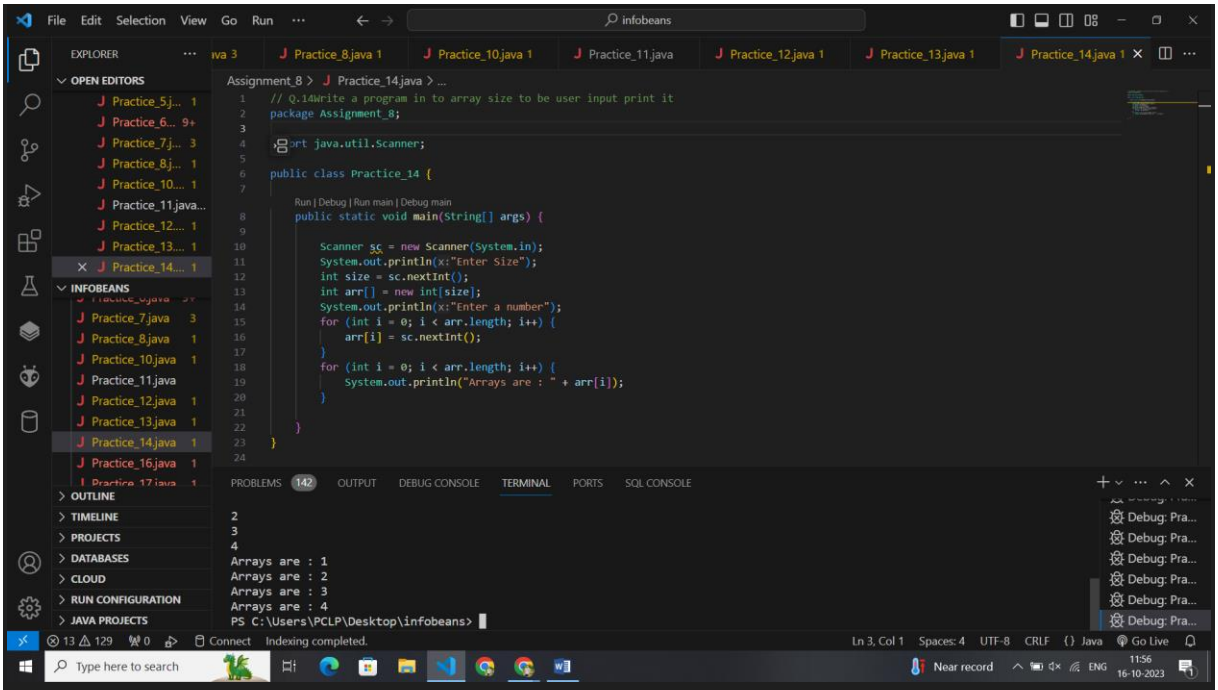
```
            }
        }

    }

}
```



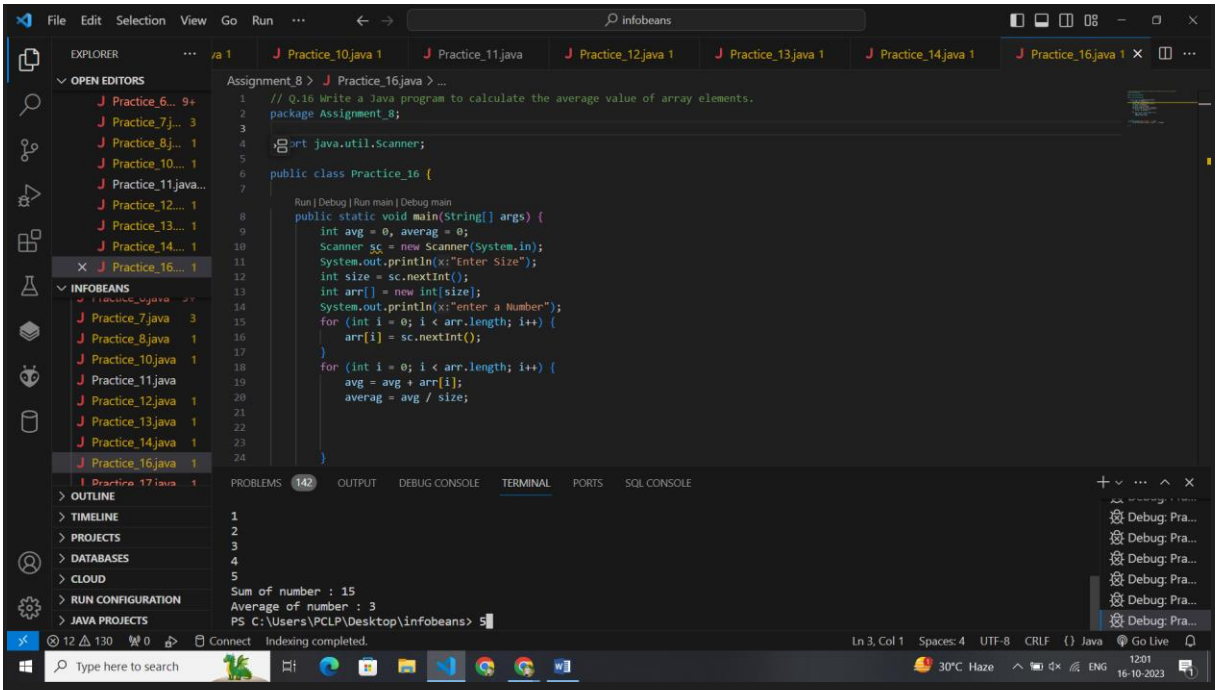

```java
package Assignment_8;

// Q.12 a) Write a statement that declares a string array initialized with the following strings:
// "Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday" and "Saturday".
// b) Write a loop that displays the contents of each element in the array that you declared.

public class Practice_12 {

    public static void main(String[] args) {
        String str[] = {"Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "saturday", "Sunday"};

        for (int i = 0; i < str.length; i++) {
            System.out.print(str[i] + " ");
        }

    }
}
```



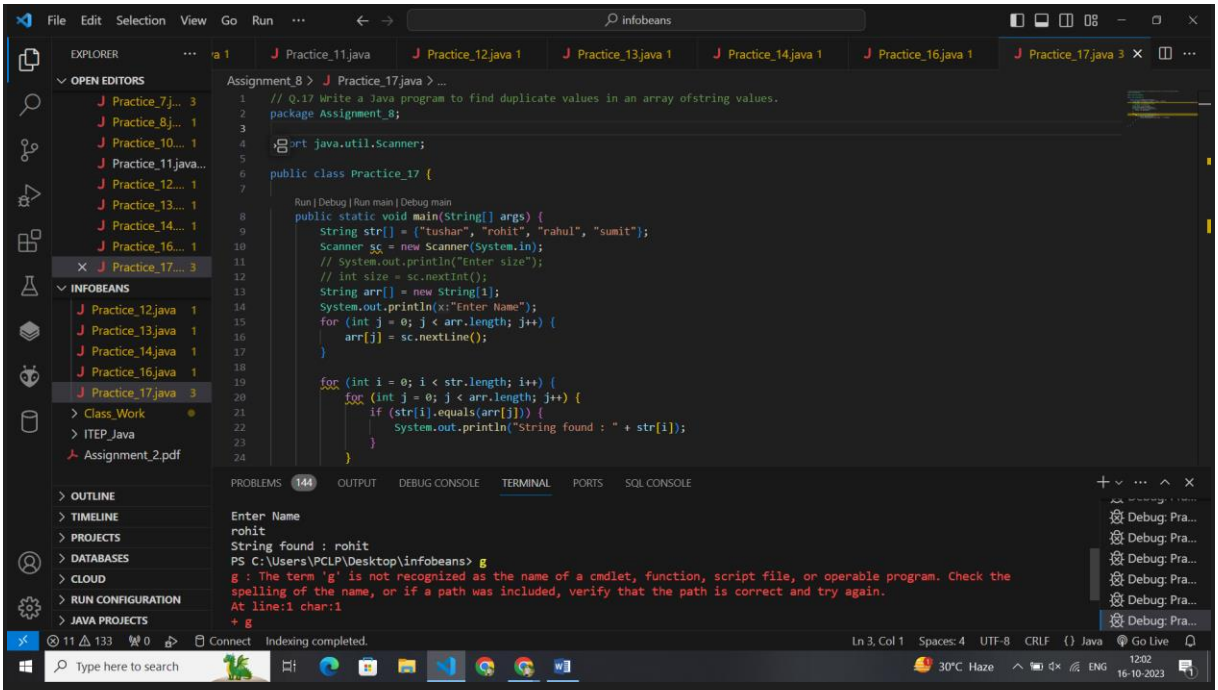

```java
package Assignment_8;

// Q13. Write a program to array elements to print sum of Cubic Values

import java.util.Scanner;

public class Practice_13 {

    public static void main(String[] args) {
        int cubic = 0;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter Size");
        int size = sc.nextInt();
        int arr[] = new int[size];

        System.out.println("Enter a Value");
        for (int i = 0; i < arr.length; i++) {
            arr[i] = sc.nextInt();
        }
        for (int i = 0; i < arr.length; i++) {
            cubic = cubic + arr[i] * arr[i] * arr[i];

        }
        System.out.println("Cubic value is : " + cubic);

    }
}
```




```java
// Q.14Write a program in to array size to be user input print it

package Assignment_8;

import java.util.Scanner;

public class Practice_14 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        System.out.println("Enter Size");
        int size = sc.nextInt();
        int arr[] = new int[size];
        System.out.println("Enter a number");
        for (int i = 0; i < arr.length; i++) {
            arr[i] = sc.nextInt();
        }
        for (int i = 0; i < arr.length; i++) {
            System.out.println("Arrays are : " + arr[i]);
        }

    }
}
```




```java
// Q.16 Write a Java program to calculate the average value of array elements.

package Assignment_8;

import java.util.Scanner;

public class Practice_16 {

    public static void main(String[] args) {
        int avg = 0, averag = 0;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter Size");
        int size = sc.nextInt();
        int arr[] = new int[size];
        System.out.println("enter a Number");
        for (int i = 0; i < arr.length; i++) {
            arr[i] = sc.nextInt();
        }
        for (int i = 0; i < arr.length; i++) {
            avg = avg + arr[i];
            averag = avg / size;



        }
 System.out.println("Sum of number : " + avg);
        System.out.print("Average of number : " + averag);

    }
}
```




```java
// Q.17 Write a Java program to find duplicate values in an array ofstring values.

package Assignment_8;

import java.util.Scanner;

public class Practice_17 {

    public static void main(String[] args) {
        String str[] = {"tushar", "rohit", "rahul", "sumit"};
        Scanner sc = new Scanner(System.in);
        // System.out.println("Enter size");
        // int size = sc.nextInt();
        String arr[] = new String[1];
        System.out.println("Enter Name");
        for (int j = 0; j < arr.length; j++) {
            arr[j] = sc.nextLine();
        }

        for (int i = 0; i < str.length; i++) {
            for (int j = 0; j < arr.length; j++) {
                if (str[i].equals(arr[j])) {
                    System.out.println("String found : " + str[i]);
                }
            }

        }

    }
}
```