

```
package Assignment_8;

import java.util.Scanner;

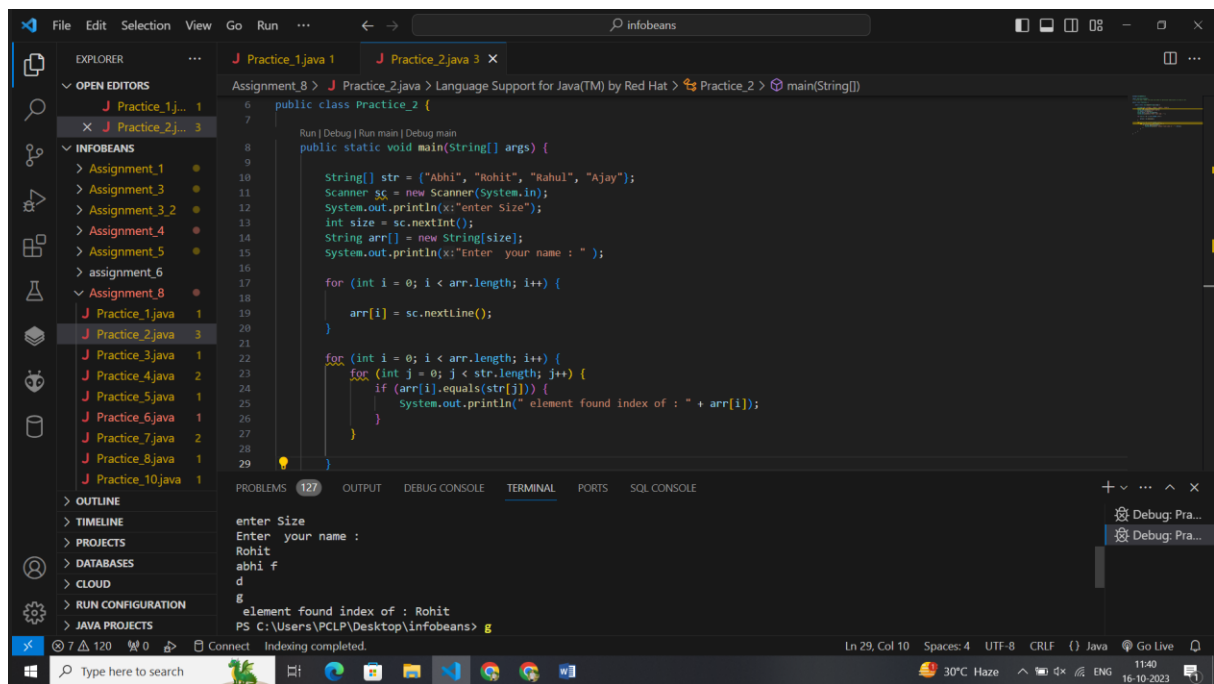
public class Practice_1 {

    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];

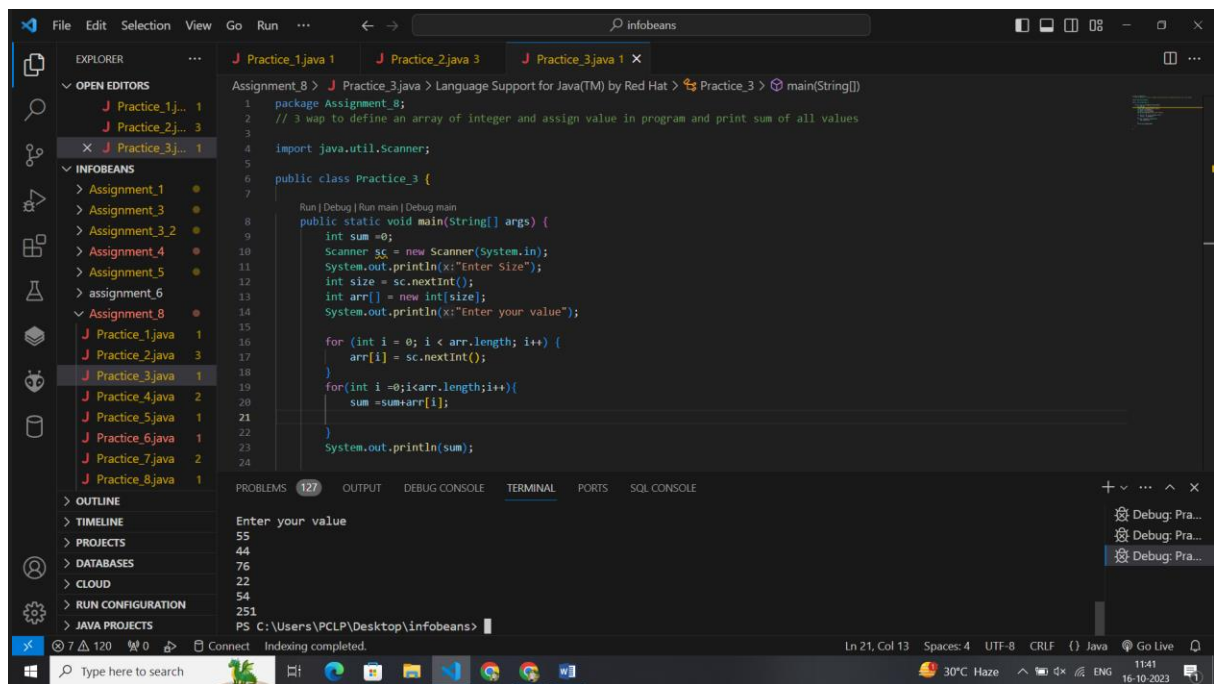
        System.out.println("Enter the element ");
        for (int i = 0; i < arr.length; i++) {
            arr[i] = sc.nextInt();
        }
        System.out.println("InReverse order");
        for (int i = arr.length - 1; i >= 0; i--) {
            System.out.println(arr[i]);
        }

    }

}
```



```
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]);  
                }  
            }  
        }  
    }  
}
```



```
package Assignment_8;

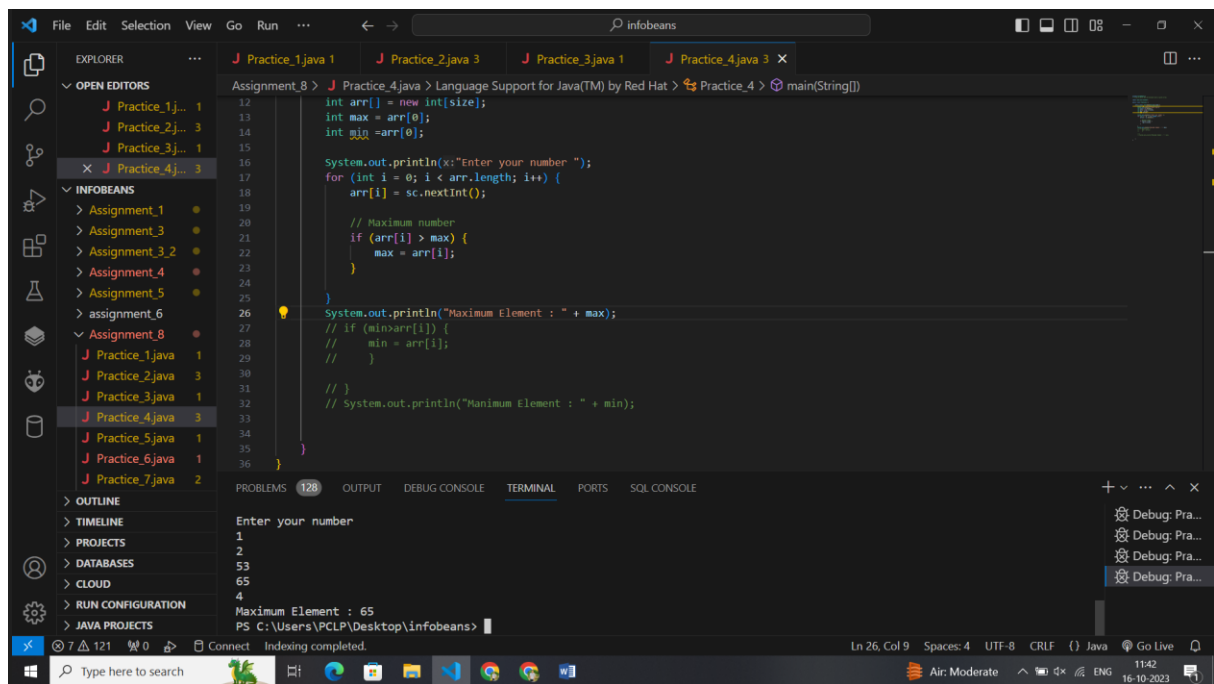
// 3 wap to define an array of integer and assign value in program and print sum of all values

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);
    }
}
```



```
package Assignment_8;

// 4 way 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];

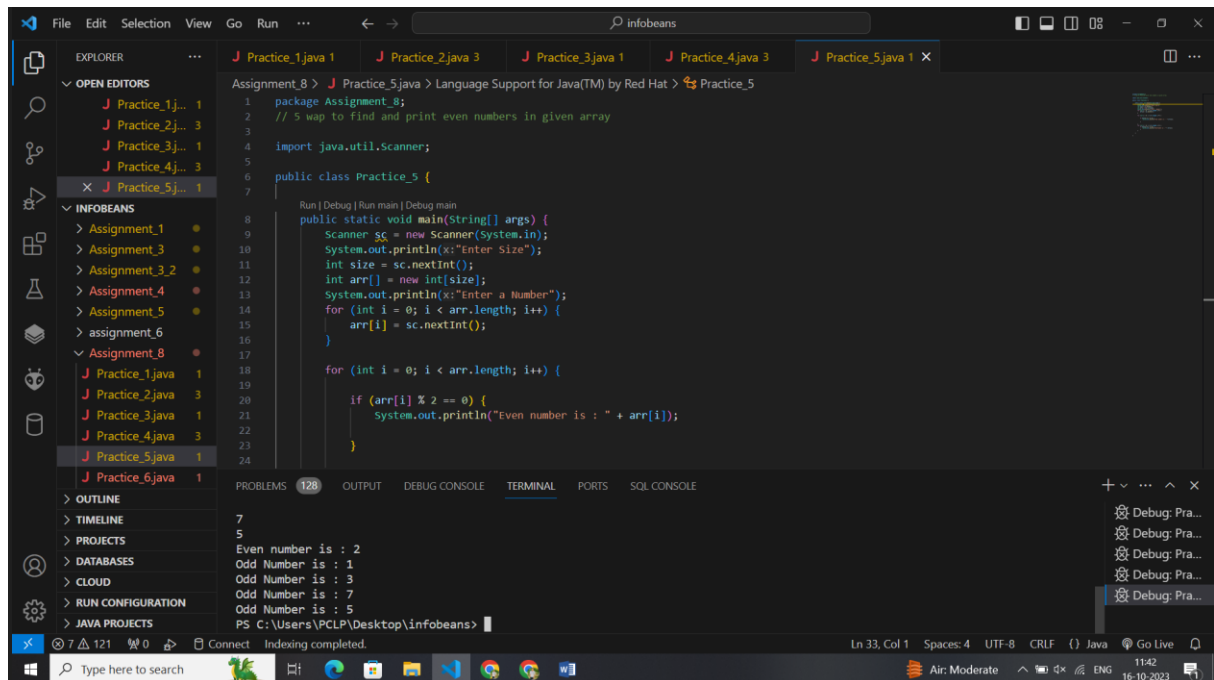
        System.out.println("Enter your number ");
        for (int i = 0; i < arr.length; i++) {
            arr[i] = sc.nextInt();

            // 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);

        }
    }
}
```



```
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]);
            }
        }
    }
}
```

```
}

}

package Assignment_8;

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

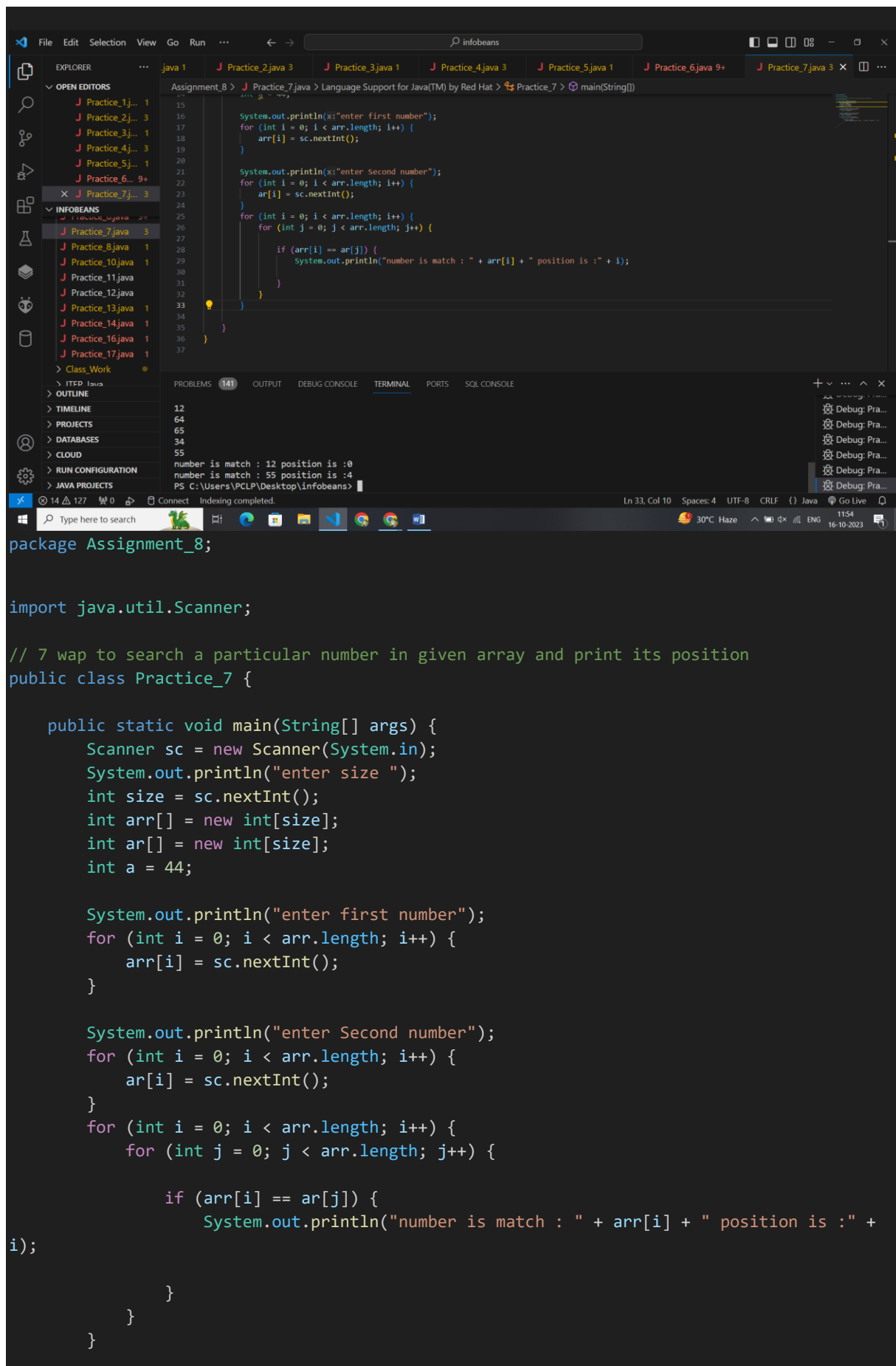
import java.util.Scanner;

public class Practice_6 {

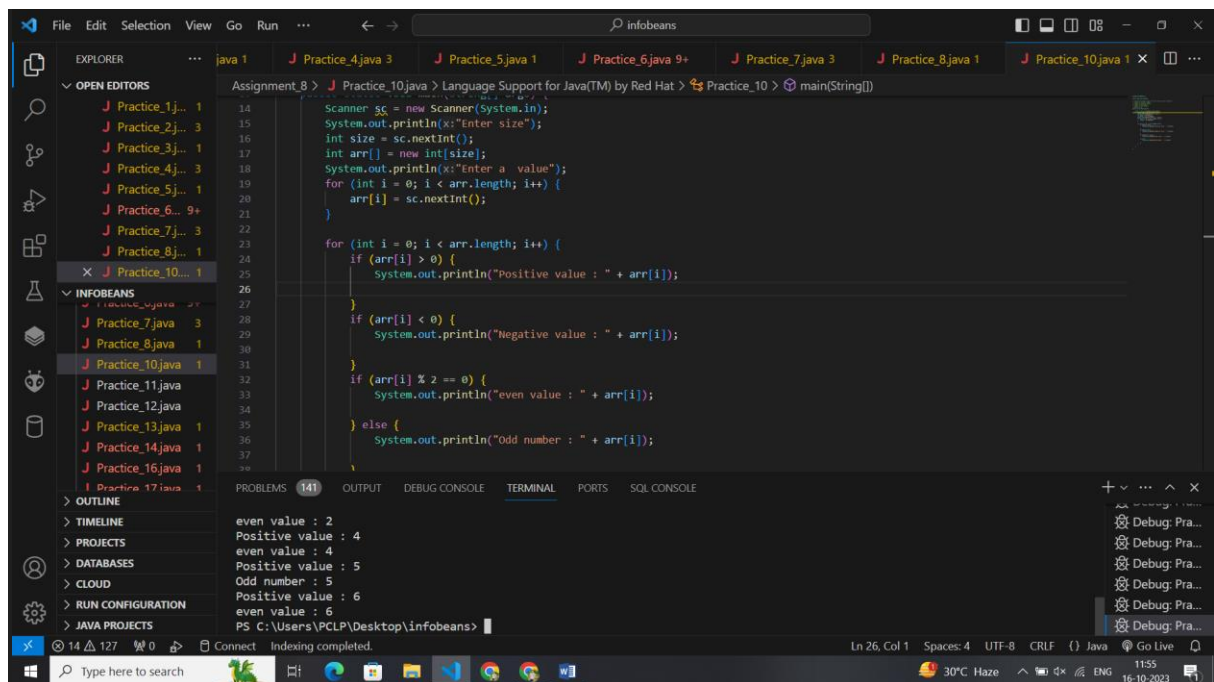
    public static void main(String[] args) {
        int i = 0;
        int j = 0;
        int flag = 0;

        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 ");}
        }
    }
}
```



```
}  
}  
  
File Edit Selection View Go Run ... infobeans  
EXPLORER java 3 J Practice_3.java 1 J Practice_4.java 3 J Practice_5.java 1 J Practice_6.java 9+ J Practice_7.java 3 J Practice_8.java 1 x ...  
OPEN EDITORS Assignment_8 > J Practice_8.java > Language Support for Java(TM) by Red Hat > Practice_8 > main(String[])  
J Practice_1j... 1  
J Practice_2j... 3  
J Practice_3j... 1  
J Practice_4j... 3  
J Practice_5j... 1  
J Practice_6... 9+  
J Practice_7j... 3  
x J Practice_8j... 1  
INFOBEANS  
J Practice_8.java 1  
J Practice_10.java 1  
J Practice_11.java  
J Practice_12.java  
J Practice_13.java 1  
J Practice_14.java 1  
J Practice_16.java 1  
J Practice_17.java 1  
Place Work  
OUTLINE  
TIMELINE  
PROJECTS  
DATABASES  
CLOUD  
RUN CONFIGURATION  
JAVA PROJECTS  
PROBLEMS (141) OUTPUT DEBUG CONSOLE TERMINAL PORTS SQL CONSOLE  
12  
43  
5  
43  
3  
Sum of Nmuber : 106  
product of number : 332820  
PS C:\Users\PCPL\Desktop\infobeans>  
Ln 25, Col 52 Spaces: 4 UTF-8 CRLF () Java Go Live  
Type here to search 30°C Haze 11:54 16-10-2023  
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);  
    }  
}
```

```
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]);
            }
        }
    }
}
```

```
}  
}  
  
}  
  
}  
  
}
```

File Edit Selection View Go Run ... infobeans

EXPLORER

OPEN EDITORS

Practice_3j... 1
Practice_4j... 3
Practice_5j... 1
Practice_6... 9+
Practice_7j... 3
Practice_8j... 1
Practice_10... 1
Practice_11java...
Practice_12... 1

INFIBEANS

Practice_6java 3
Practice_7java 3
Practice_8java 1
Practice_10java 1
Practice_11java
Practice_12java 1
Practice_13java 1
Practice_14java 1
Practice_16java 1
Practice_17java 1

OUTLINE
TIMELINE
PROJECTS
DATABASES
CLOUD
RUN CONFIGURATION
JAVA PROJECTS

Assignment_8 > J Practice_12.java > ...

```
1 package Assignment_8;  
2 // Q.12 a) Write a statement that declares a string array initialized with the following strings:  
3 // "Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday" and "Saturday".  
4 // b) Write a loop that displays the contents of each element in the array that you declared.  
5  
6 public class Practice_12 {  
7  
8     Run | Debug | Run main | Debug main  
9     public static void main(String[] args) {  
10         String str[] = {"Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday", "Sunday"};  
11  
12         for (int i = 0; i < str.length; i++) {  
13             System.out.print(str[i] + " ");  
14         }  
15  
16     }  
17 }
```

PROBLEMS 142 OUTPUT DEBUG CONSOLE TERMINAL PORTS SQL CONSOLE

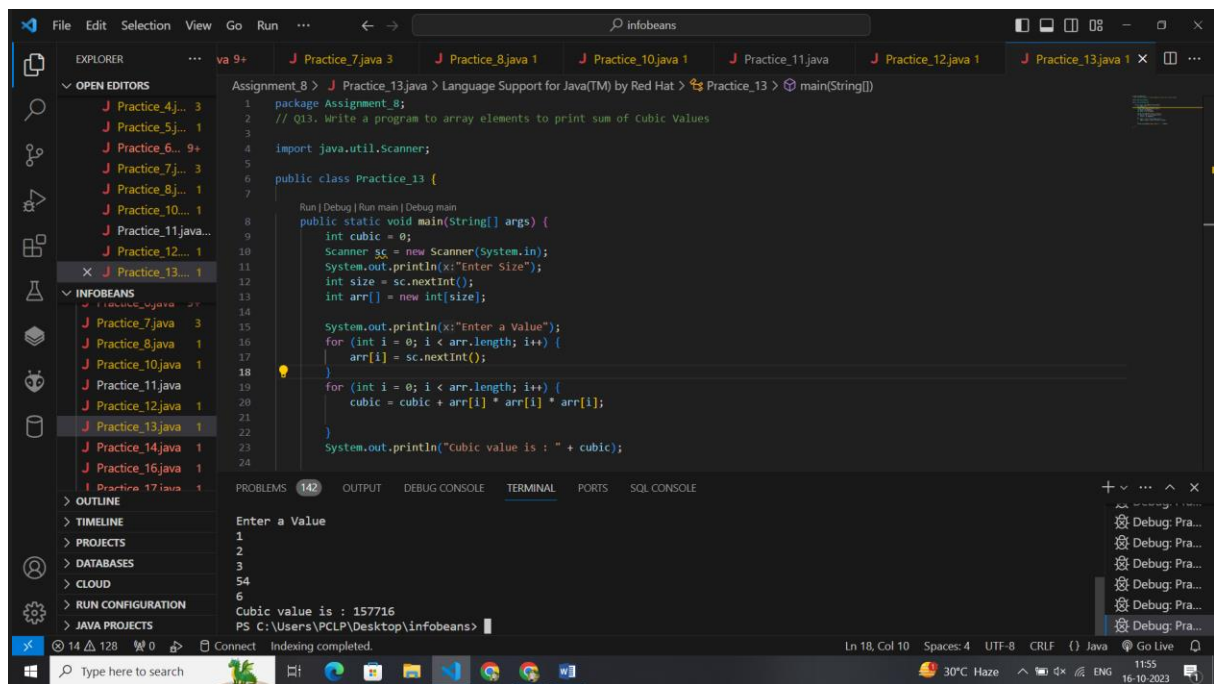
Try the new cross-platform PowerShell <https://aka.ms/pscore6>

```
PS C:\Users\PCLP\Desktop\infobeans> & 'C:\Program Files\Java\jdk-13.0.2\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:61873' '-cp' 'C:\Users\PCLP\AppData\Roaming\Code\User\workspaceStorage\9bd1afcd48ae5dbfa9e88badd32d2b8\redhat.java\jdk_ws\infobeans_ade7c1e9\bin' 'Assignment_8.Practice_12'  
Sunday Monday Tuesday Wednesday Thursday Friday Saturday Sunday  
PS C:\Users\PCLP\Desktop\infobeans>
```

Ln 17, Col 1 Spaces: 4 UTF-8 CRLF () Java Go Live

30°C Haze 11:55 16-10-2023

```
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] + " ");  
        }  
    }  
}
```



```
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);
    }
}
```

The screenshot shows an IDE with a dark theme. The Explorer panel on the left lists several Java files, with 'Practice_14.java' selected. The main editor displays the code for 'Practice_14.java'. The code is a Java program that takes user input for an array size and then prints the array elements. The code is as follows:

```
// 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]);
        }
    }
}
```

The bottom of the IDE shows a Windows taskbar with various icons and a system clock indicating 11:56 on 16-10-2023.

The screenshot shows an IDE with a dark theme. The Explorer panel on the left shows a project named 'infobeans' with several Java files. The main editor displays the code for 'Practice_16.java'. The code is a Java program that calculates the average of an array of integers. The program uses a Scanner to take input from the user. The output shows the sum of the numbers and the average.

```
// 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);
    }
}
```

The screenshot shows an IDE with the following components:

- EXPLORER:** Lists files including Practice_7j through Practice_17, and Assignment_2.pdf.
- INFOBEANS:** Lists files including Practice_12.java through Practice_16.java.
- EDITOR:** Displays the code for Practice_17.java, which is a Java program to find duplicate values in an array of string values.
- PROBLEMS:** Shows an error message: "g : The term 'g' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included, verify that the path is correct and try again. At line:1 char:1 + g".
- OUTPUT:** Shows the output of the program: "Enter Name", "rohit", "String found : rohit".
- DEBUG CONSOLE:** Shows the debug console with the command "g" and the output "String found : rohit".

```
// Q.17 Write a Java program to find duplicate values in an array of string 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]);
                }
            }
        }
    }
}
```