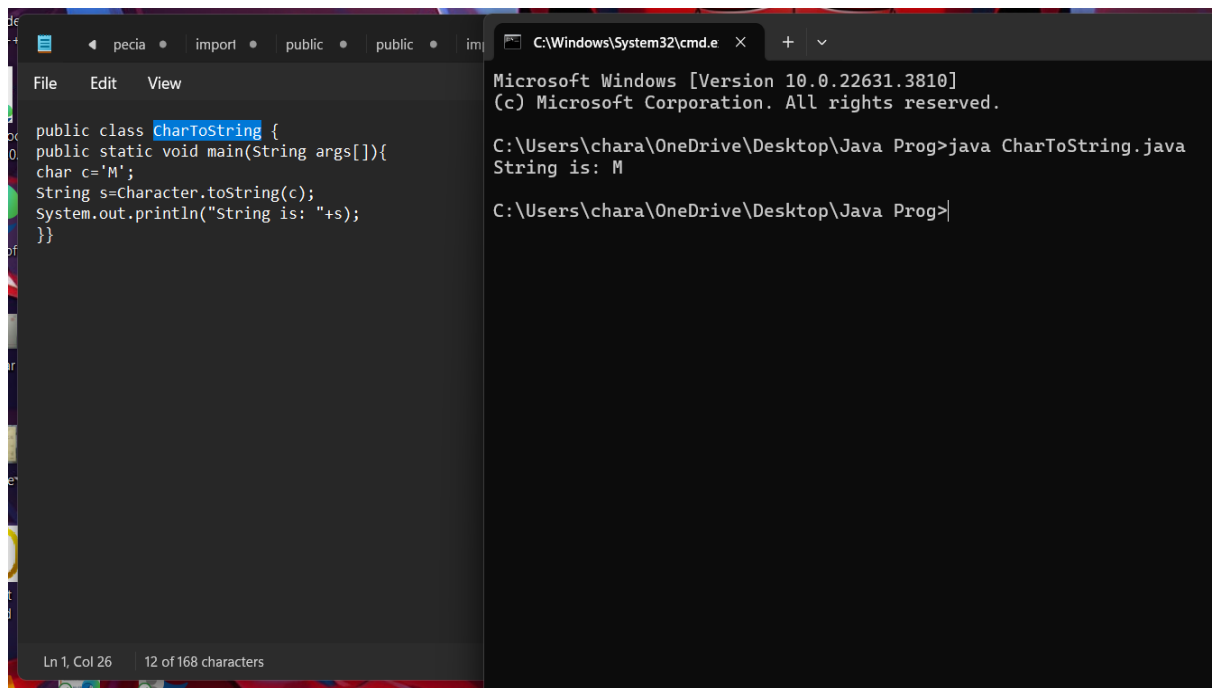


Class Test :3

Date:22-7-24

1)Char To String :



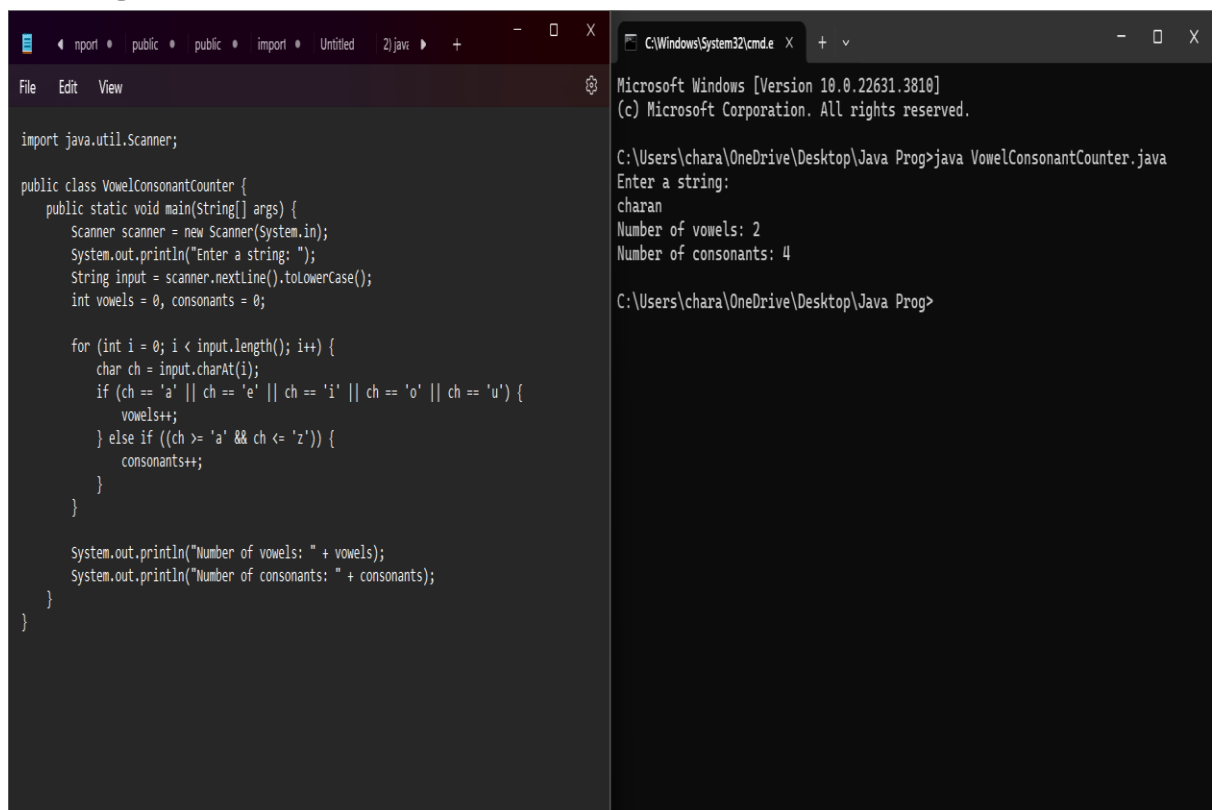
The screenshot shows an IDE window on the left with the following Java code:

```
public class CharToString {  
    public static void main(String args[]){  
        char c='M';  
        String s=Character.toString(c);  
        System.out.println("String is: "+s);  
    }  
}
```

The status bar at the bottom of the IDE indicates "Ln 1, Col 26" and "12 of 168 characters". To the right, a Windows command prompt window shows the execution of the program:

```
Microsoft Windows [Version 10.0.22631.3810]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\chara\OneDrive\Desktop\Java Prog>java CharToString.java  
String is: M  
  
C:\Users\chara\OneDrive\Desktop\Java Prog>
```

1) Count number of Vowels and Consonants in a String:



The screenshot shows an IDE window on the left with the following Java code:

```
import java.util.Scanner;  
  
public class VowelConsonantCounter {  
    public static void main(String[] args) {  
        Scanner scanner = new Scanner(System.in);  
        System.out.println("Enter a string: ");  
        String input = scanner.nextLine().toLowerCase();  
        int vowels = 0, consonants = 0;  
  
        for (int i = 0; i < input.length(); i++) {  
            char ch = input.charAt(i);  
            if (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u') {  
                vowels++;  
            } else if ((ch >= 'a' && ch <= 'z')) {  
                consonants++;  
            }  
        }  
  
        System.out.println("Number of vowels: " + vowels);  
        System.out.println("Number of consonants: " + consonants);  
    }  
}
```

To the right, a Windows command prompt window shows the execution of the program:

```
Microsoft Windows [Version 10.0.22631.3810]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\chara\OneDrive\Desktop\Java Prog>java VowelConsonantCounter.java  
Enter a string:  
charan  
Number of vowels: 2  
Number of consonants: 4  
  
C:\Users\chara\OneDrive\Desktop\Java Prog>
```