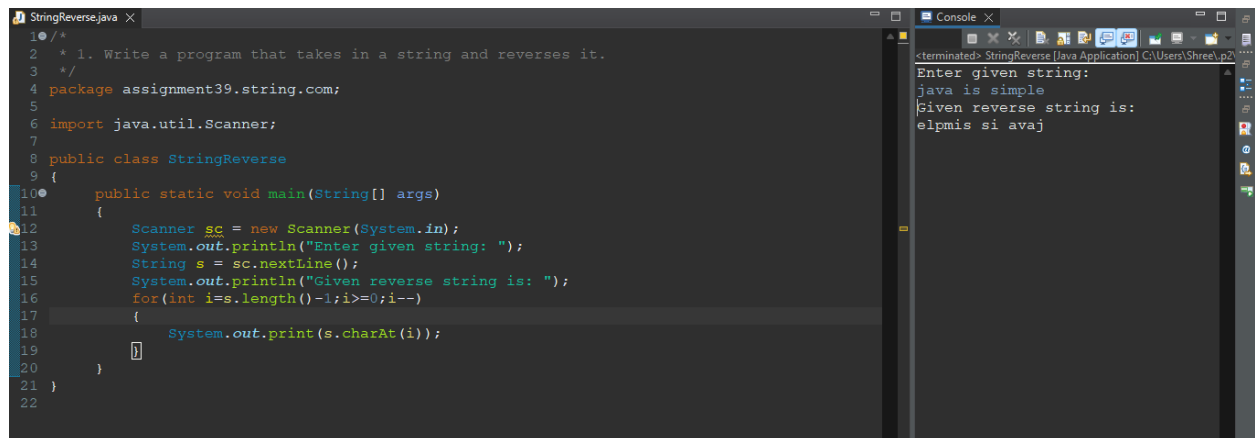


Assignment No:-39

Name:-Suryawanshi Sangramsingh Sambhaji

Batch: - Delta - DCA (Java) 2024 Date:-1/7/2024

1. Write a program that takes in a string and reverses it.



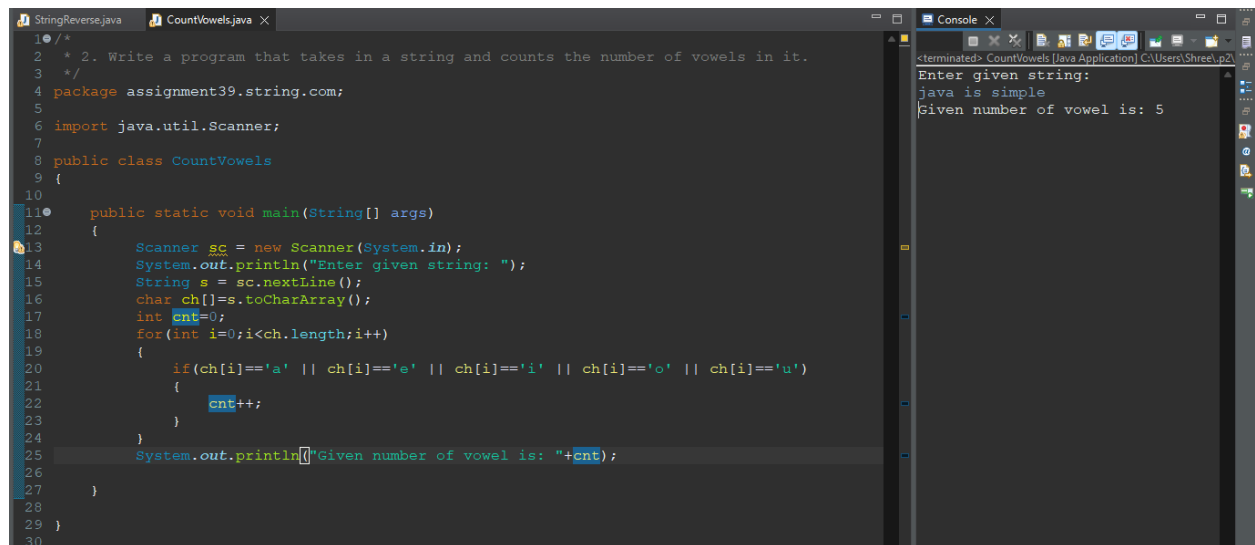
The screenshot shows an IDE with a file named `StringReverse.java` and a console window. The Java code defines a `StringReverse` class with a `main` method that uses a `Scanner` to read a string and prints it in reverse. The console output shows the input string "java is simple" and the reversed string "elpmis si avaj".

```
1 1. Write a program that takes in a string and reverses it.
2 */
3 */
4 package assignment39.string.com;
5
6 import java.util.Scanner;
7
8 public class StringReverse
9 {
10     public static void main(String[] args)
11     {
12         Scanner sc = new Scanner(System.in);
13         System.out.println("Enter given string: ");
14         String s = sc.nextLine();
15         System.out.println("Given reverse string is: ");
16         for(int i=s.length()-1;i>=0;i--)
17         {
18             System.out.print(s.charAt(i));
19         }
20     }
21 }
22
```

Console Output:

```
<terminated> StringReverse [Java Application] C:\Users\Shree\p2
Enter given string:
java is simple
Given reverse string is:
elpmis si avaj
```

2. Write a program that takes in a string and counts the number of vowels in it.



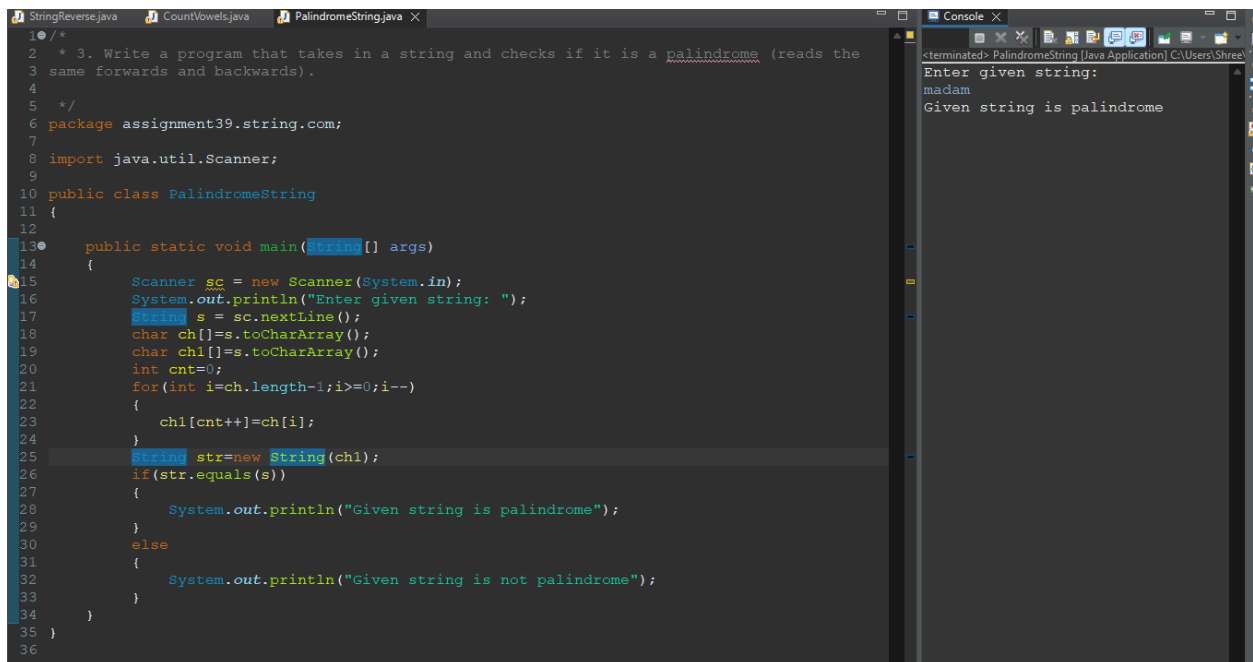
The screenshot shows an IDE with two files: `StringReverse.java` and `CountVowels.java`. The `CountVowels` class has a `main` method that reads a string and counts the number of vowels (a, e, i, o, u). The console output shows the input string "java is simple" and the count of vowels, which is 5.

```
1 2. Write a program that takes in a string and counts the number of vowels in it.
2 */
3 */
4 package assignment39.string.com;
5
6 import java.util.Scanner;
7
8 public class CountVowels
9 {
10
11     public static void main(String[] args)
12     {
13         Scanner sc = new Scanner(System.in);
14         System.out.println("Enter given string: ");
15         String s = sc.nextLine();
16         char ch[]=s.toCharArray();
17         int cnt=0;
18         for(int i=0;i<ch.length;i++)
19         {
20             if(ch[i]=='a' || ch[i]=='e' || ch[i]=='i' || ch[i]=='o' || ch[i]=='u')
21             {
22                 cnt++;
23             }
24         }
25         System.out.println("Given number of vowel is: "+cnt);
26     }
27 }
28
29 }
30
```

Console Output:

```
<terminated> CountVowels [Java Application] C:\Users\Shree\p2
Enter given string:
java is simple
Given number of vowel is: 5
```

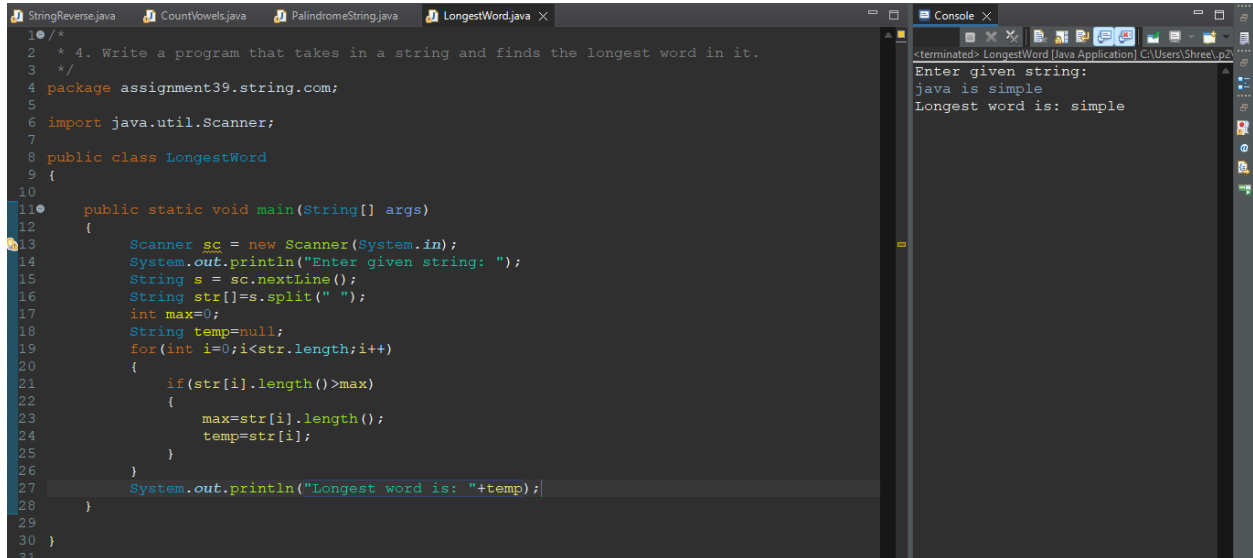
3. Write a program that takes in a string and checks if it is a palindrome (reads the same forwards and backwards).



```
1  /*
2  * 3. Write a program that takes in a string and checks if it is a palindrome (reads the
3  same forwards and backwards).
4  */
5
6  package assignment39.string.com;
7
8  import java.util.Scanner;
9
10 public class PalindromeString
11 {
12
13     public static void main(String[] args)
14     {
15         Scanner sc = new Scanner(System.in);
16         System.out.println("Enter given string: ");
17         String s = sc.nextLine();
18         char ch[] = s.toCharArray();
19         char chl[] = s.toCharArray();
20         int cnt = 0;
21         for (int i = ch.length - 1; i >= 0; i--)
22         {
23             chl[cnt++] = ch[i];
24         }
25         String str = new String(chl);
26         if (str.equals(s))
27         {
28             System.out.println("Given string is palindrome");
29         }
30         else
31         {
32             System.out.println("Given string is not palindrome");
33         }
34     }
35 }
36
```

Console output:
<terminated> PalindromeString [Java Application] C:\Users\Shree...
Enter given string:
madam
Given string is palindrome

4. Write a program that takes in a string and finds the longest word in it.



```
1  /*
2  * 4. Write a program that takes in a string and finds the longest word in it.
3  */
4
5  package assignment39.string.com;
6
7  import java.util.Scanner;
8
9  public class LongestWord
10 {
11
12     public static void main(String[] args)
13     {
14         Scanner sc = new Scanner(System.in);
15         System.out.println("Enter given string: ");
16         String s = sc.nextLine();
17         String str[] = s.split(" ");
18         int max = 0;
19         String temp = null;
20         for (int i = 0; i < str.length; i++)
21         {
22             if (str[i].length() > max)
23             {
24                 max = str[i].length();
25                 temp = str[i];
26             }
27         }
28         System.out.println("Longest word is: " + temp);
29     }
30 }
31
```

Console output:
<terminated> LongestWord [Java Application] C:\Users\Shree\p2...
Enter given string:
java is simple
Longest word is: simple

5. Write a program that takes in two strings and checks if they are anagrams (contain the same letters in different order).

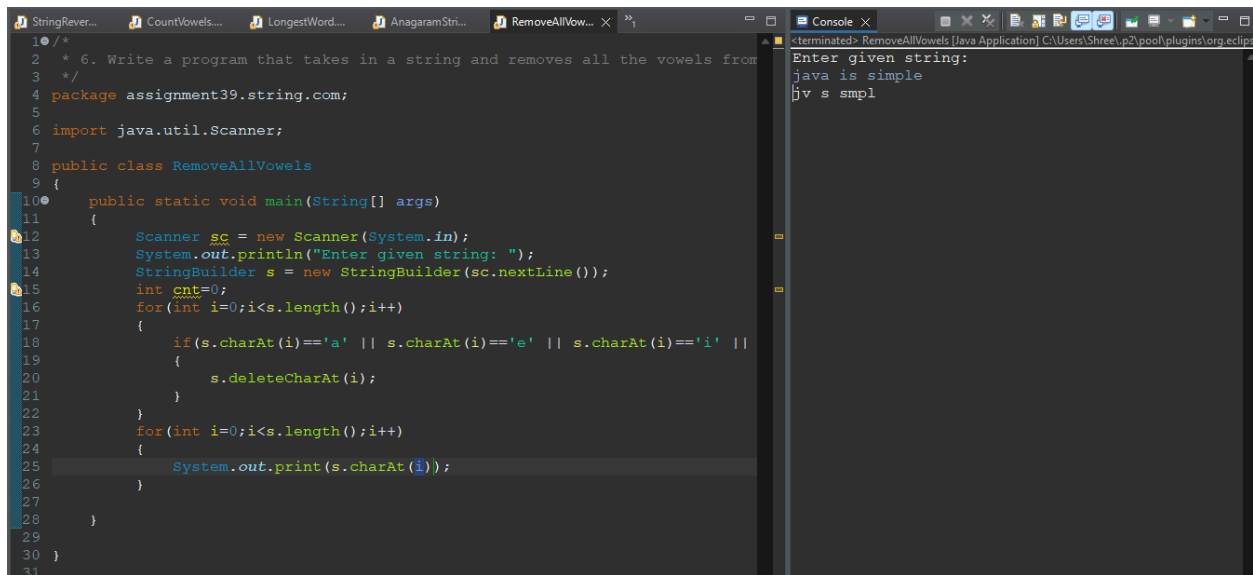
```
StringReverse.java CountVowels.java PalindromeString.java LongestWord.java AnagramString.java X
10 /*
11  * 5. Write a program that takes in two strings and checks if they are anagrams (contain
12  * the same letters in different order).
13  */
14 package assignment39.string.com;
15
16 import java.util.Scanner;
17
18 public class AnagramString
19 {
20     public static boolean isAnagram(String s,String s1)
21     {
22         boolean anagram =true;
23         for(int i=0;i<s.length();i++)
24         {
25             int cnt=0;
26             for(int j=0;j<s1.length();j++)
27             {
28                 if(s.charAt(i)==s1.charAt(j))
29                 {
30                     cnt++;
31                 }
32             }
33             if(cnt==0)
34             {
35                 anagram=false;
36                 break;
37             }
38         }
39         return anagram;
40     }
41     public static void main(String[] args) {
42         // TODO Auto-generated method stub
43         Scanner sc = new Scanner(System.in);
44         System.out.println("Enter given string: ");
45         String s = sc.nextLine();
46     }
47 }
```

```
<terminated> AnagramString [Java Application] C:\Users\Shree\
Enter given string:
silent
Enter given string:
listen
Anagram String
```

```
StringReverse.java CountVowels.java PalindromeString.java LongestWord.java AnagramString.java X
15     for(int i=0;i<s.length();i++)
16     {
17         int cnt=0;
18         for(int j=0;j<s1.length();j++)
19         {
20             if(s.charAt(i)==s1.charAt(j))
21             {
22                 cnt++;
23             }
24         }
25         if(cnt==0)
26         {
27             anagram=false;
28             break;
29         }
30     }
31     return anagram;
32 }
33 public static void main(String[] args) {
34     // TODO Auto-generated method stub
35     Scanner sc = new Scanner(System.in);
36     System.out.println("Enter given string: ");
37     String s = sc.nextLine();
38     System.out.println("Enter given string: ");
39     String s1 = sc.nextLine();
40     if(isAnagram(s,s1))
41     {
42         System.out.println("Anagram String");
43     }
44     else
45     {
46         System.out.println("Not Anagram string");
47     }
48 }
49
50 }
51 }
```

```
<terminated> AnagramString [Java Application] C:\Users\Shree\
Enter given string:
silent
Enter given string:
listen
Anagram String
```

6. Write a program that takes in a string and removes all the vowels from it.



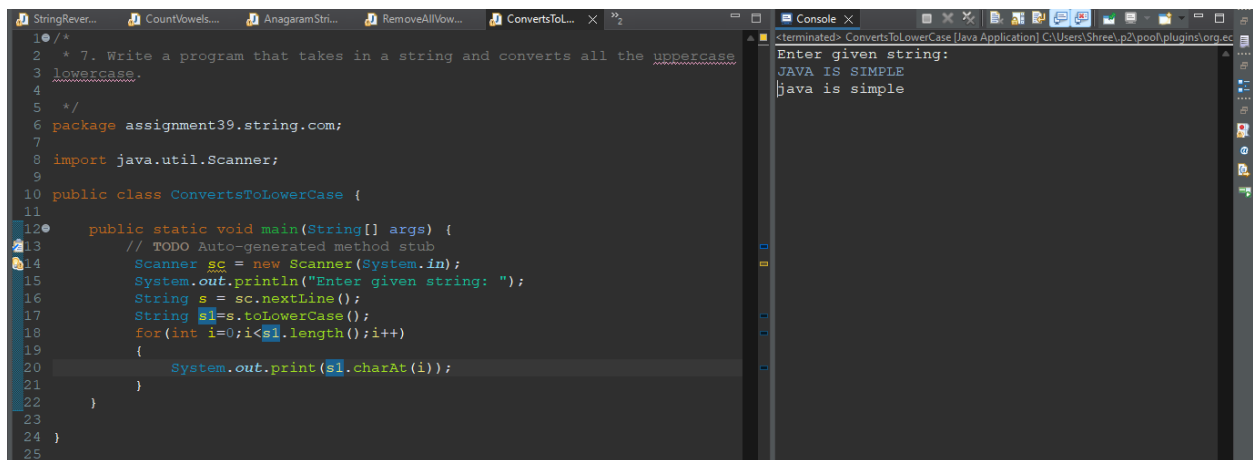
The screenshot shows an IDE with a Java file named 'RemoveAllVowels.java'. The code is as follows:

```
10 /*
11  * 6. Write a program that takes in a string and removes all the vowels from
12  */
13 package assignment39.string.com;
14
15 import java.util.Scanner;
16
17 public class RemoveAllVowels
18 {
19     public static void main(String[] args)
20     {
21         Scanner sc = new Scanner(System.in);
22         System.out.println("Enter given string: ");
23         StringBuilder s = new StringBuilder(sc.nextLine());
24         int cnt=0;
25         for(int i=0;i<s.length();i++)
26         {
27             if(s.charAt(i)=='a' || s.charAt(i)=='e' || s.charAt(i)=='i' ||
28             {
29                 s.deleteCharAt(i);
30             }
31         }
32         for(int i=0;i<s.length();i++)
33         {
34             System.out.print(s.charAt(i));
35         }
36     }
37 }
```

The console output shows the program execution:

```
<terminated> RemoveAllVowels [Java Application] C:\Users\Shree\p2\poo\plugins\org.ec
Enter given string:
java is simple
jv s smpl
```

7. Write a program that takes in a string and converts all the uppercase letters to lowercase.



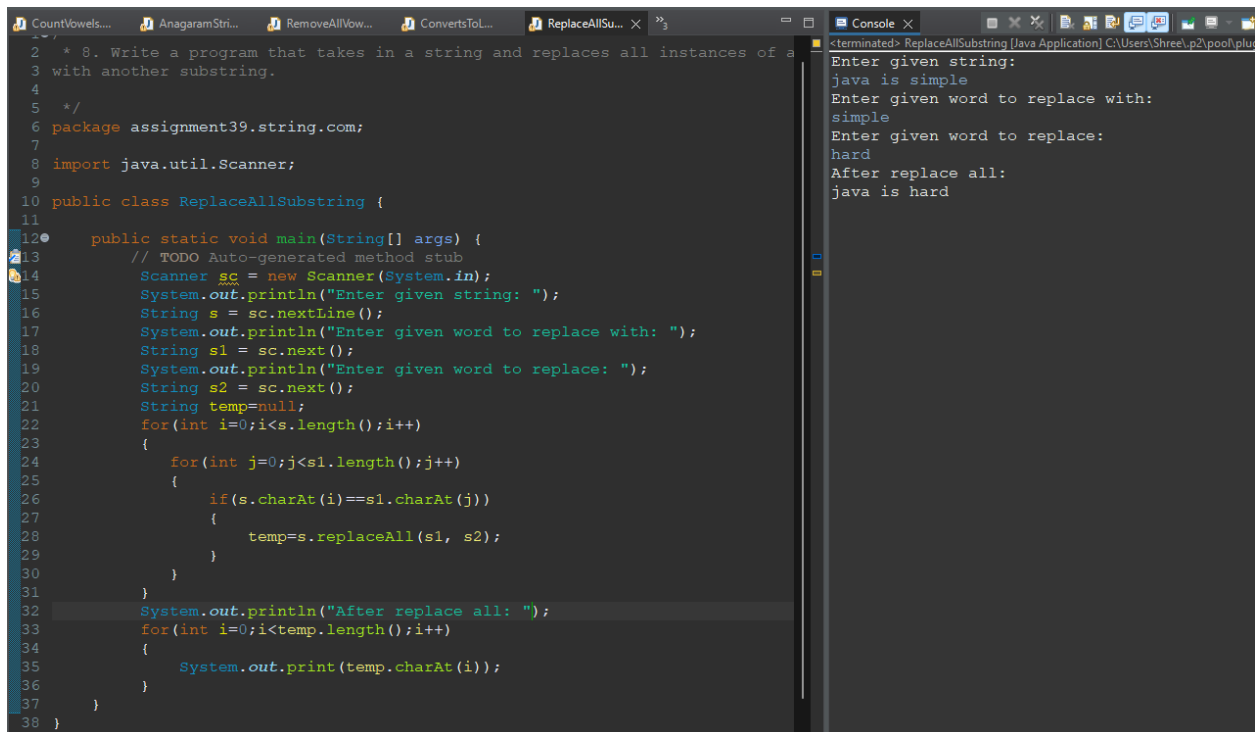
The screenshot shows an IDE with a Java file named 'ConvertsToLowerCase.java'. The code is as follows:

```
10 /*
11  * 7. Write a program that takes in a string and converts all the uppercase
12  * lowercase.
13  */
14 package assignment39.string.com;
15
16 import java.util.Scanner;
17
18 public class ConvertsToLowerCase {
19
20     public static void main(String[] args) {
21         // TODO Auto-generated method stub
22         Scanner sc = new Scanner(System.in);
23         System.out.println("Enter given string: ");
24         String s = sc.nextLine();
25         String s1=s.toLowerCase();
26         for(int i=0;i<s1.length();i++)
27         {
28             System.out.print(s1.charAt(i));
29         }
30     }
31 }
```

The console output shows the program execution:

```
<terminated> ConvertsToLowerCase [Java Application] C:\Users\Shree\p2\poo\plugins\org.ec
Enter given string:
JAVA IS SIMPLE
java is simple
```

8. Write a program that takes in a string and replaces all instances of a given substring with another substring.

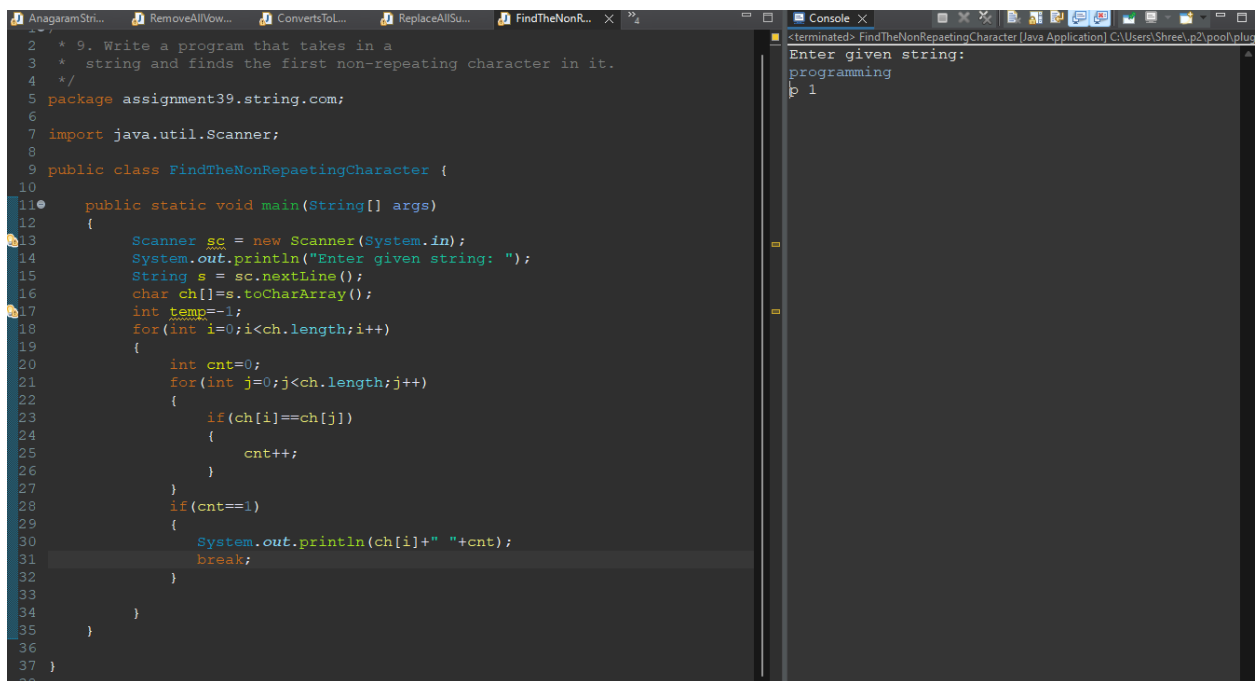


```
2  * 8. Write a program that takes in a string and replaces all instances of a
3  with another substring.
4
5  */
6  package assignment39.string.com;
7
8  import java.util.Scanner;
9
10 public class ReplaceAllSubString {
11
12     public static void main(String[] args) {
13         // TODO Auto-generated method stub
14         Scanner sc = new Scanner(System.in);
15         System.out.println("Enter given string: ");
16         String s = sc.nextLine();
17         System.out.println("Enter given word to replace with: ");
18         String s1 = sc.next();
19         System.out.println("Enter given word to replace: ");
20         String s2 = sc.next();
21         String temp=null;
22         for(int i=0;i<s.length();i++)
23         {
24             for(int j=0;j<s1.length();j++)
25             {
26                 if(s.charAt(i)==s1.charAt(j))
27                 {
28                     temp=s.replaceAll(s1, s2);
29                 }
30             }
31         }
32         System.out.println("After replace all: ");
33         for(int i=0;i<temp.length();i++)
34         {
35             System.out.print(temp.charAt(i));
36         }
37     }
38 }
```

Console Output:

```
<terminated> ReplaceAllSubString [Java Application] C:\Users\Shree\p2\pool\plus
Enter given string:
java is simple
Enter given word to replace with:
simple
Enter given word to replace:
hard
After replace all:
java is hard
```

9. Write a program that takes in a string and finds the first non-repeating character in it.

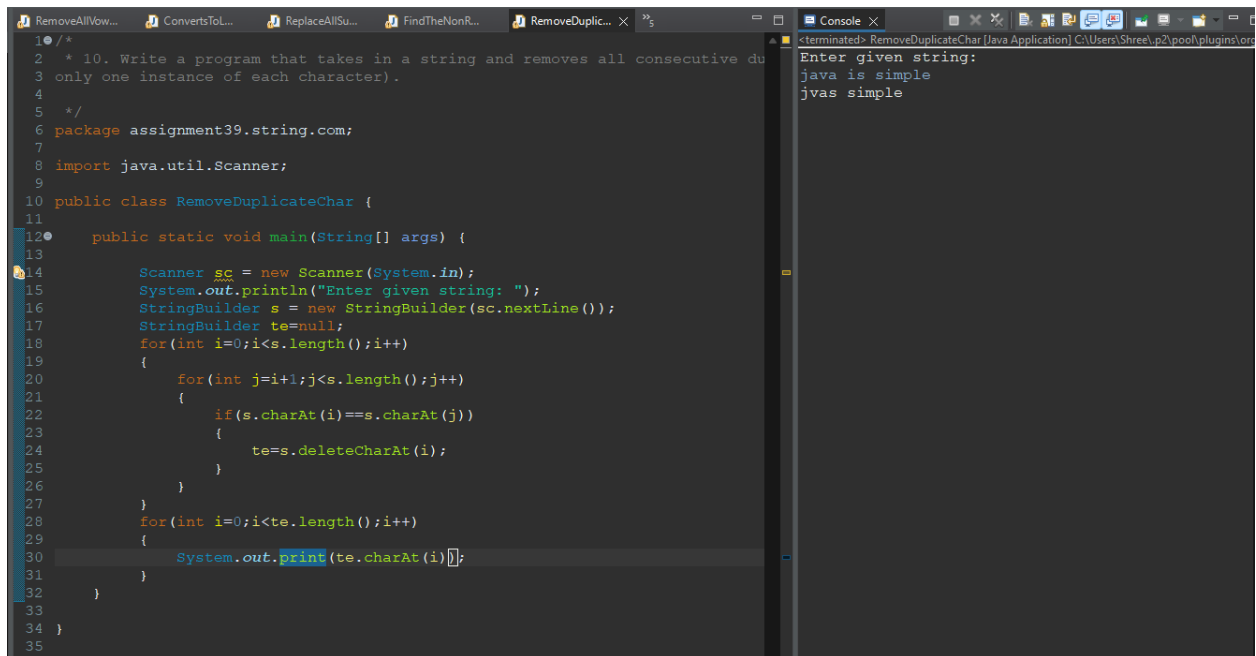


```
2  * 9. Write a program that takes in a
3  string and finds the first non-repeating character in it.
4  */
5  package assignment39.string.com;
6
7  import java.util.Scanner;
8
9  public class FindTheNonRepaetingCharacter {
10
11     public static void main(String[] args)
12     {
13         Scanner sc = new Scanner(System.in);
14         System.out.println("Enter given string: ");
15         String s = sc.nextLine();
16         char ch[]=s.toCharArray();
17         int temp=-1;
18         for(int i=0;i<ch.length;i++)
19         {
20             int cnt=0;
21             for(int j=0;j<ch.length;j++)
22             {
23                 if(ch[i]==ch[j])
24                 {
25                     cnt++;
26                 }
27             }
28             if(cnt==1)
29             {
30                 System.out.println(ch[i]+" "+cnt);
31                 break;
32             }
33         }
34     }
35 }
36
37
38
```

Console Output:

```
<terminated> FindTheNonRepaetingCharacter [Java Application] C:\Users\Shree\p2\pool\plus
Enter given string:
programming
p 1
```

10. Write a program that takes in a string and removes all consecutive duplicates (leaves only one instance of each character).



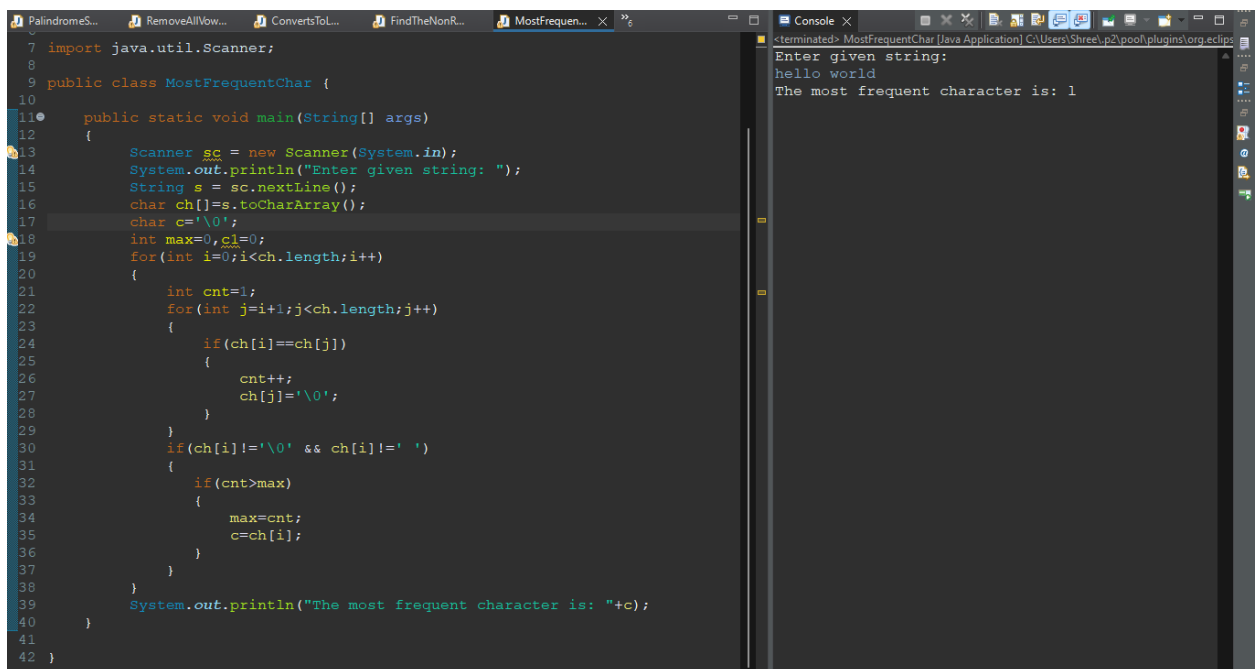
The screenshot shows an IDE with a Java file named 'RemoveDuplicateChar.java'. The code uses a Scanner to read a string and a StringBuilder to build the result. It iterates through the string, comparing each character with the next one. If they are the same, the next character is skipped. The console output shows the input 'java is simple' and the output 'jvas simple'.

```
1 /*
2  * 10. Write a program that takes in a string and removes all consecutive du
3  only one instance of each character).
4
5  */
6 package assignment39.string.com;
7
8 import java.util.Scanner;
9
10 public class RemoveDuplicateChar {
11
12     public static void main(String[] args) {
13
14         Scanner sc = new Scanner(System.in);
15         System.out.println("Enter given string: ");
16         StringBuilder s = new StringBuilder(sc.nextLine());
17         StringBuilder te=null;
18         for(int i=0;i<s.length();i++)
19         {
20             for(int j=i+1;j<s.length();j++)
21             {
22                 if(s.charAt(i)==s.charAt(j))
23                 {
24                     te=s.deleteCharAt(i);
25                 }
26             }
27         }
28         for(int i=0;i<te.length();i++)
29         {
30             System.out.print(te.charAt(i));
31         }
32     }
33 }
34 }
35 }
```

Console Output:

```
<terminated> RemoveDuplicateChar [Java Application] C:\Users\Shree\p2\poo\plugins\org
Enter given string:
java is simple
jvas simple
```

11. Write a program that takes in a string and finds the most frequent character in it.



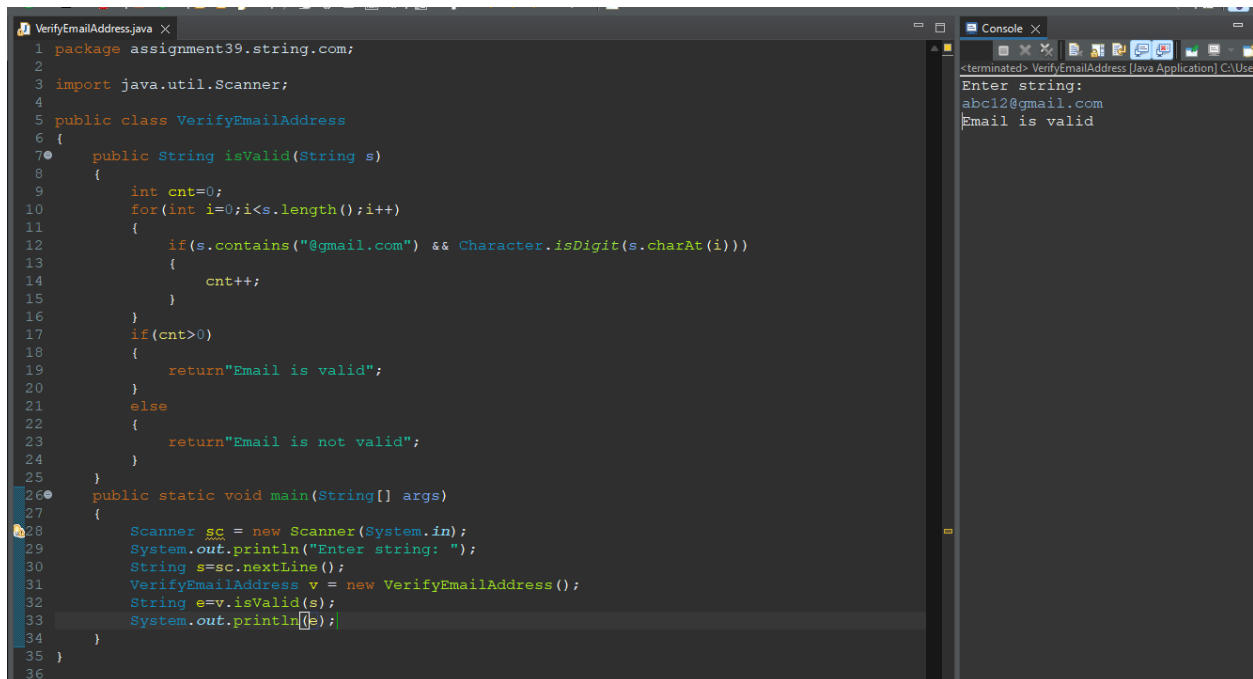
The screenshot shows an IDE with a Java file named 'MostFrequentChar.java'. The code uses a Scanner to read a string and a char array to store the characters. It iterates through the array, counting the frequency of each character. The console output shows the input 'hello world' and the output 'The most frequent character is: l'.

```
7 import java.util.Scanner;
8
9 public class MostFrequentChar {
10
11     public static void main(String[] args)
12     {
13         Scanner sc = new Scanner(System.in);
14         System.out.println("Enter given string: ");
15         String s = sc.nextLine();
16         char ch[]=s.toCharArray();
17         char c='\0';
18         int max=0, cnt=0;
19         for(int i=0;i<ch.length;i++)
20         {
21             int cnt=1;
22             for(int j=i+1;j<ch.length;j++)
23             {
24                 if(ch[i]==ch[j])
25                 {
26                     cnt++;
27                     ch[j]='\0';
28                 }
29             }
30             if(ch[i]!='\0' && ch[i]!=' ')
31             {
32                 if(cnt>max)
33                 {
34                     max=cnt;
35                     c=ch[i];
36                 }
37             }
38         }
39         System.out.println("The most frequent character is: "+c);
40     }
41 }
42 }
43 }
```

Console Output:

```
<terminated> MostFrequentChar [Java Application] C:\Users\Shree\p2\poo\plugins\org_eclips
Enter given string:
hello world
The most frequent character is: l
```

12. Write a program that takes in a string and checks if it is a valid email address.

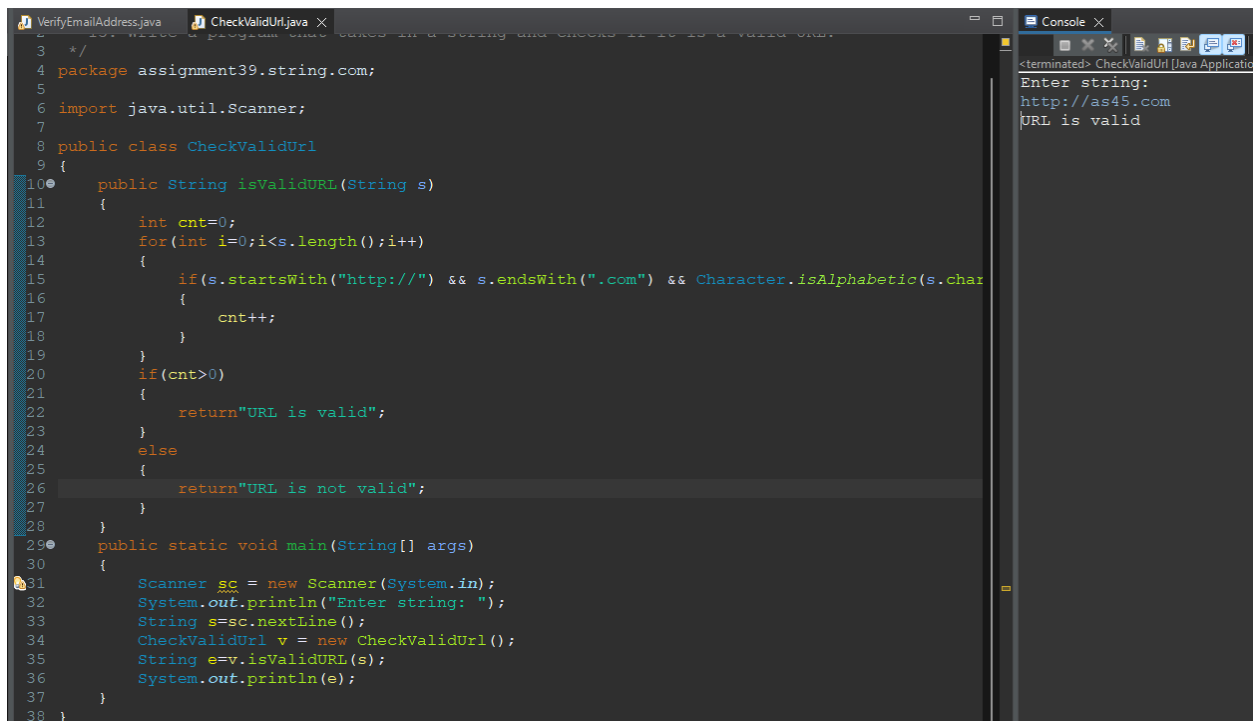


```
1 package assignment39.string.com;
2
3 import java.util.Scanner;
4
5 public class VerifyEmailAddress
6 {
7     public String isValid(String s)
8     {
9         int cnt=0;
10        for(int i=0;i<s.length();i++)
11        {
12            if(s.contains("@gmail.com") && Character.isDigit(s.charAt(i)))
13            {
14                cnt++;
15            }
16        }
17        if(cnt>0)
18        {
19            return "Email is valid";
20        }
21        else
22        {
23            return "Email is not valid";
24        }
25    }
26    public static void main(String[] args)
27    {
28        Scanner sc = new Scanner(System.in);
29        System.out.println("Enter string: ");
30        String s=sc.nextLine();
31        VerifyEmailAddress v = new VerifyEmailAddress();
32        String e=v.isValid(s);
33        System.out.println(e);
34    }
35 }
36
```

Console X

```
<terminated> VerifyEmailAddress [Java Application] C:\Use
Enter string:
abc12@gmail.com
Email is valid
```

13. Write a program that takes in a string and checks if it is a valid URL.

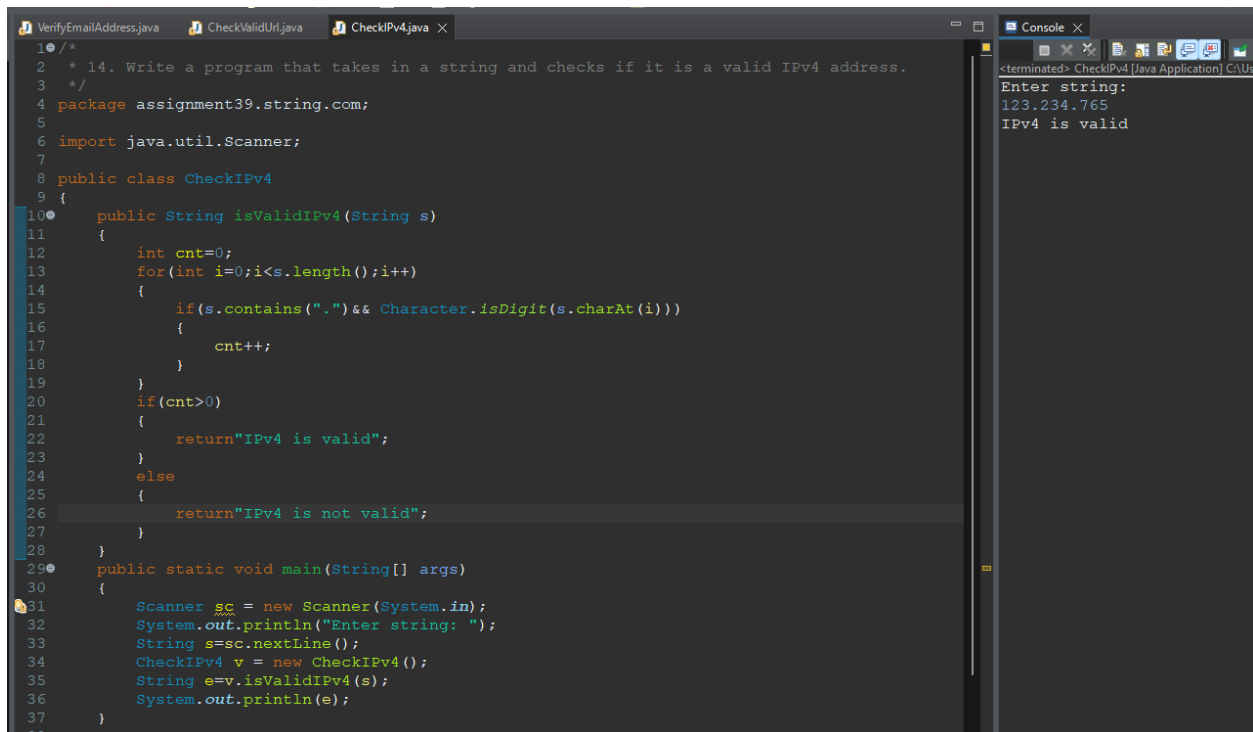


```
1 package assignment39.string.com;
2
3 import java.util.Scanner;
4
5 public class CheckValidUrl
6 {
7     public String isValidURL(String s)
8     {
9         int cnt=0;
10        for(int i=0;i<s.length();i++)
11        {
12            if(s.startsWith("http://") && s.endsWith(".com") && Character.isAlphabetic(s.charAt(i)))
13            {
14                cnt++;
15            }
16        }
17        if(cnt>0)
18        {
19            return "URL is valid";
20        }
21        else
22        {
23            return "URL is not valid";
24        }
25    }
26    public static void main(String[] args)
27    {
28        Scanner sc = new Scanner(System.in);
29        System.out.println("Enter string: ");
30        String s=sc.nextLine();
31        CheckValidUrl v = new CheckValidUrl();
32        String e=v.isValidURL(s);
33        System.out.println(e);
34    }
35 }
36
```

Console X

```
<terminated> CheckValidUrl [Java Application]
Enter string:
http://as45.com
URL is valid
```

14. Write a program that takes in a string and checks if it is a valid IPv4 address.

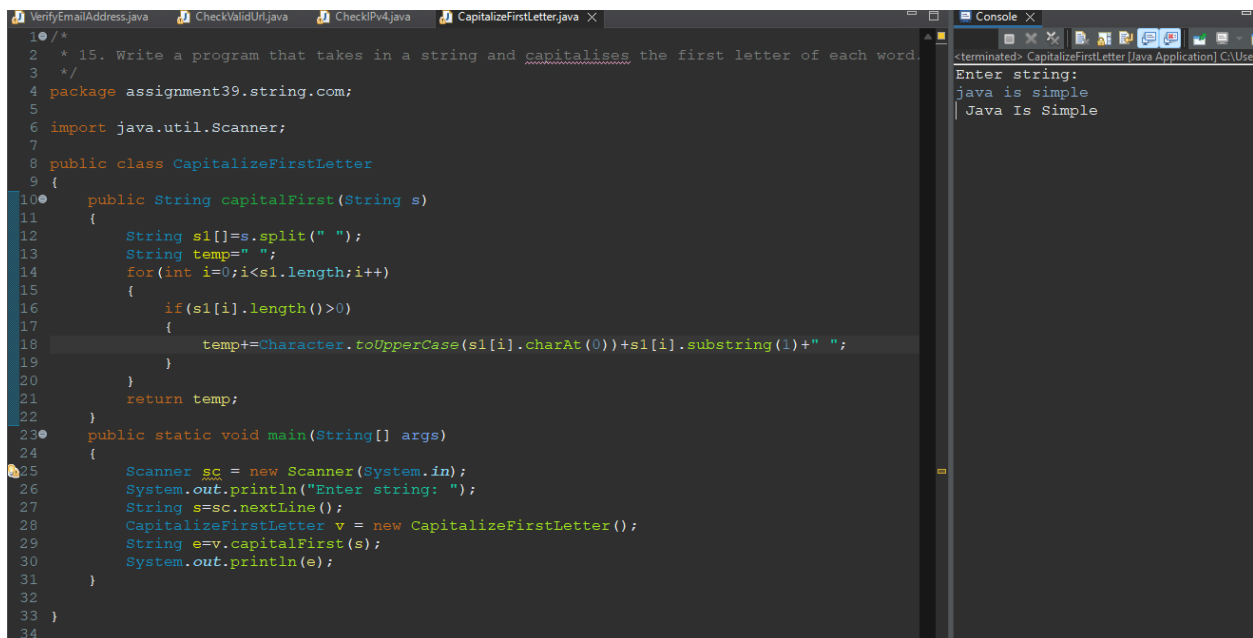


```
1 /*
2  * 14. Write a program that takes in a string and checks if it is a valid IPv4 address.
3  */
4 package assignment39.string.com;
5
6 import java.util.Scanner;
7
8 public class CheckIPv4
9 {
10     public String isValidIPv4(String s)
11     {
12         int cnt=0;
13         for(int i=0;i<s.length();i++)
14         {
15             if(s.contains(".") && Character.isDigit(s.charAt(i)))
16             {
17                 cnt++;
18             }
19         }
20         if(cnt>0)
21         {
22             return "IPv4 is valid";
23         }
24         else
25         {
26             return "IPv4 is not valid";
27         }
28     }
29     public static void main(String[] args)
30     {
31         Scanner sc = new Scanner(System.in);
32         System.out.println("Enter string: ");
33         String s=sc.nextLine();
34         CheckIPv4 v = new CheckIPv4();
35         String e=v.isValidIPv4(s);
36         System.out.println(e);
37     }
38 }
```

Console Output:

```
<terminated> CheckIPv4 [Java Application] CAUs
Enter string:
123.234.765
IPv4 is valid
```

15. Write a program that takes in a string and capitalises the first letter of each word.

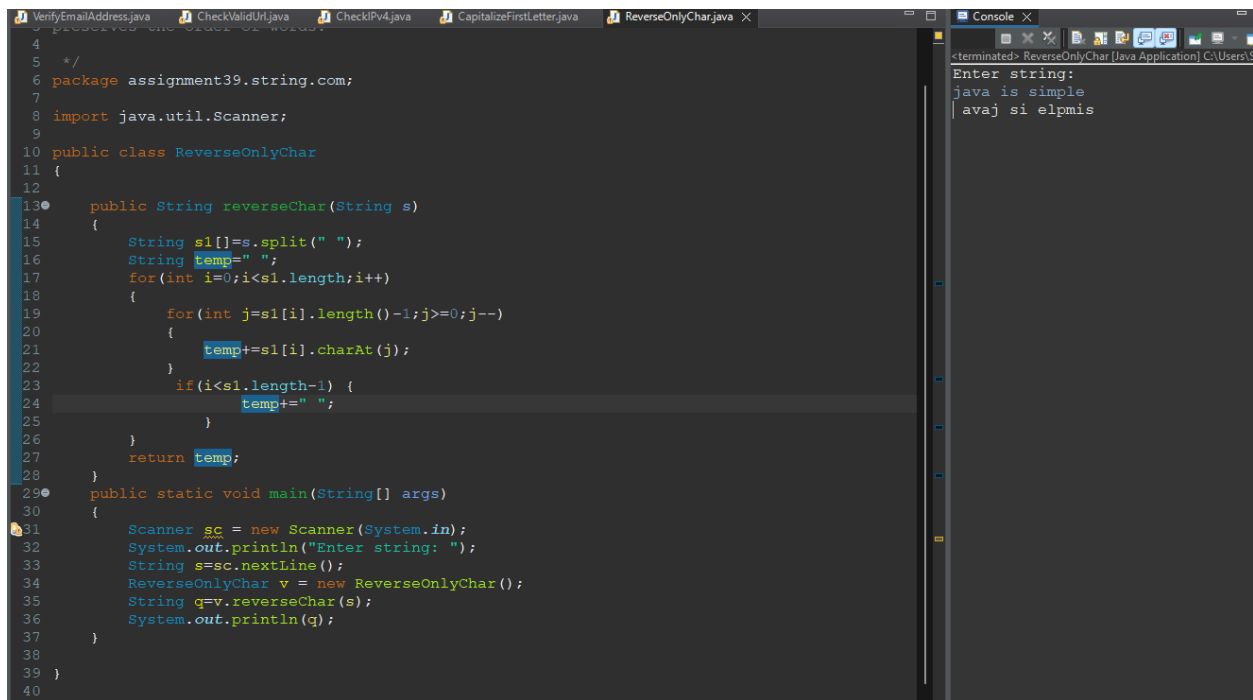


```
1 /*
2  * 15. Write a program that takes in a string and capitalises the first letter of each word.
3  */
4 package assignment39.string.com;
5
6 import java.util.Scanner;
7
8 public class CapitalizeFirstLetter
9 {
10     public String capitalFirst(String s)
11     {
12         String s1[]=s.split(" ");
13         String temp=" ";
14         for(int i=0;i<s1.length;i++)
15         {
16             if(s1[i].length()>0)
17             {
18                 temp+=Character.toUpperCase(s1[i].charAt(0))+s1[i].substring(1)+" ";
19             }
20         }
21         return temp;
22     }
23     public static void main(String[] args)
24     {
25         Scanner sc = new Scanner(System.in);
26         System.out.println("Enter string: ");
27         String s=sc.nextLine();
28         CapitalizeFirstLetter v = new CapitalizeFirstLetter();
29         String e=v.capitalFirst(s);
30         System.out.println(e);
31     }
32 }
33
34 }
```

Console Output:

```
<terminated> CapitalizeFirstLetter [Java Application] CAUs
Enter string:
java is simple
Java Is Simple
```


16. Write a program that takes in a string and returns the characters in reverse order, but preserves the order of words.

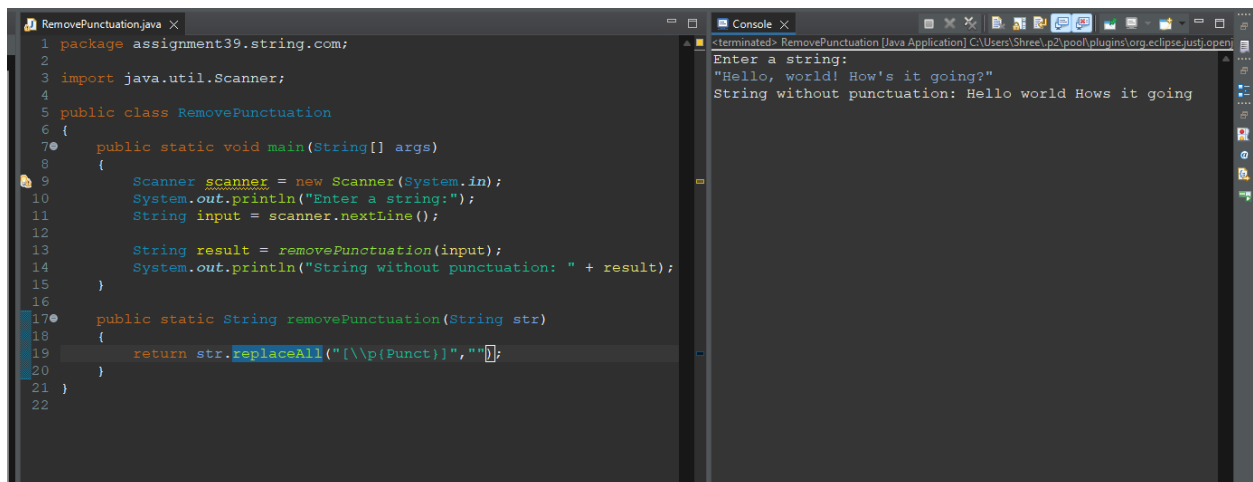


```
4
5
6 package assignment39.string.com;
7
8 import java.util.Scanner;
9
10 public class ReverseOnlyChar
11 {
12
13     public String reverseChar(String s)
14     {
15         String s1[] = s.split(" ");
16         String temp = " ";
17         for (int i = 0; i < s1.length; i++)
18         {
19             for (int j = s1[i].length() - 1; j >= 0; j--)
20             {
21                 temp += s1[i].charAt(j);
22             }
23             if (i < s1.length - 1) {
24                 temp += " ";
25             }
26         }
27         return temp;
28     }
29     public static void main(String[] args)
30     {
31         Scanner sc = new Scanner(System.in);
32         System.out.println("Enter string: ");
33         String s = sc.nextLine();
34         ReverseOnlyChar v = new ReverseOnlyChar();
35         String q = v.reverseChar(s);
36         System.out.println(q);
37     }
38 }
39
40
```

Console

```
<terminated> ReverseOnlyChar [Java Application] C:\Users\S
Enter string:
java is simple
| avaj si elpmis
```

17. Write a program that takes in a string and removes all punctuation marks from it.

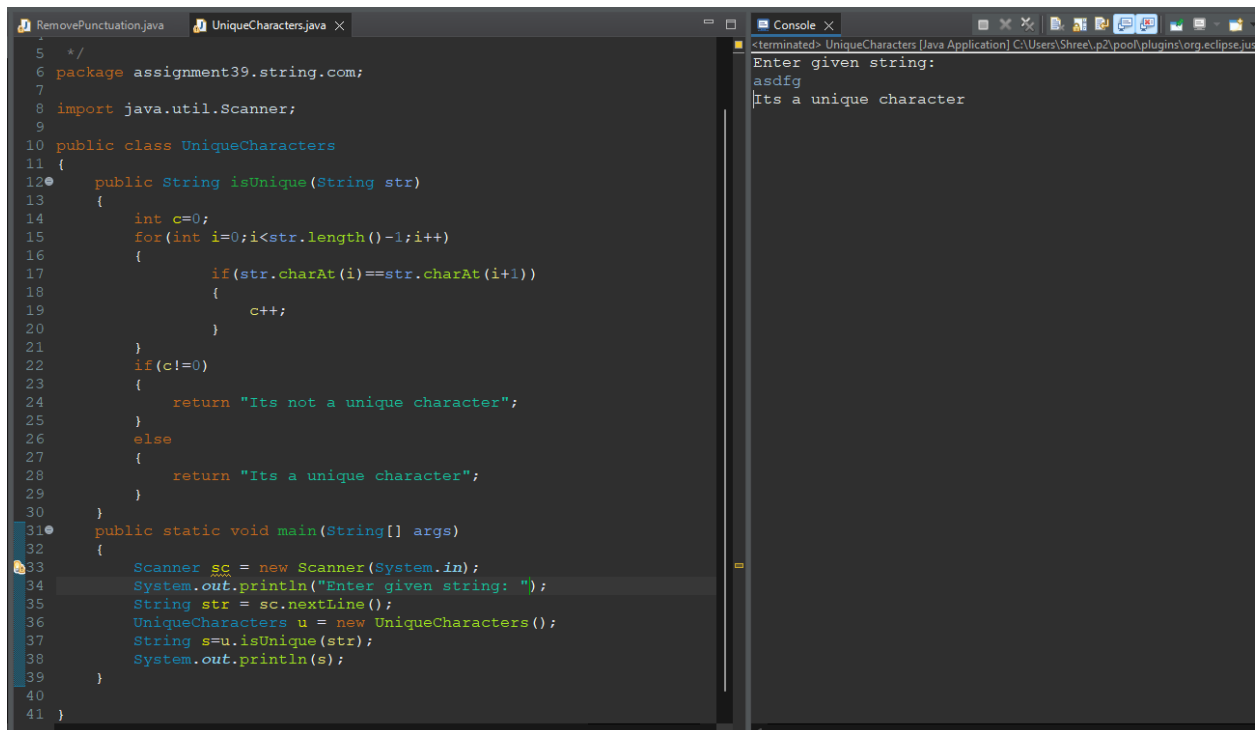


```
1 package assignment39.string.com;
2
3 import java.util.Scanner;
4
5 public class RemovePunctuation
6 {
7     public static void main(String[] args)
8     {
9         Scanner scanner = new Scanner(System.in);
10        System.out.println("Enter a string:");
11        String input = scanner.nextLine();
12
13        String result = removePunctuation(input);
14        System.out.println("String without punctuation: " + result);
15    }
16
17    public static String removePunctuation(String str)
18    {
19        return str.replaceAll("[\\p{Punct}]", "");
20    }
21 }
22
```

Console

```
<terminated> RemovePunctuation [Java Application] C:\Users\Shree\p2\pool\plugins\org.eclipse.justi.open
Enter a string:
"Hello, world! How's it going?"
String without punctuation: Hello world Hows it going
```

18. Write a program that takes in a string and checks if it contains only unique characters.

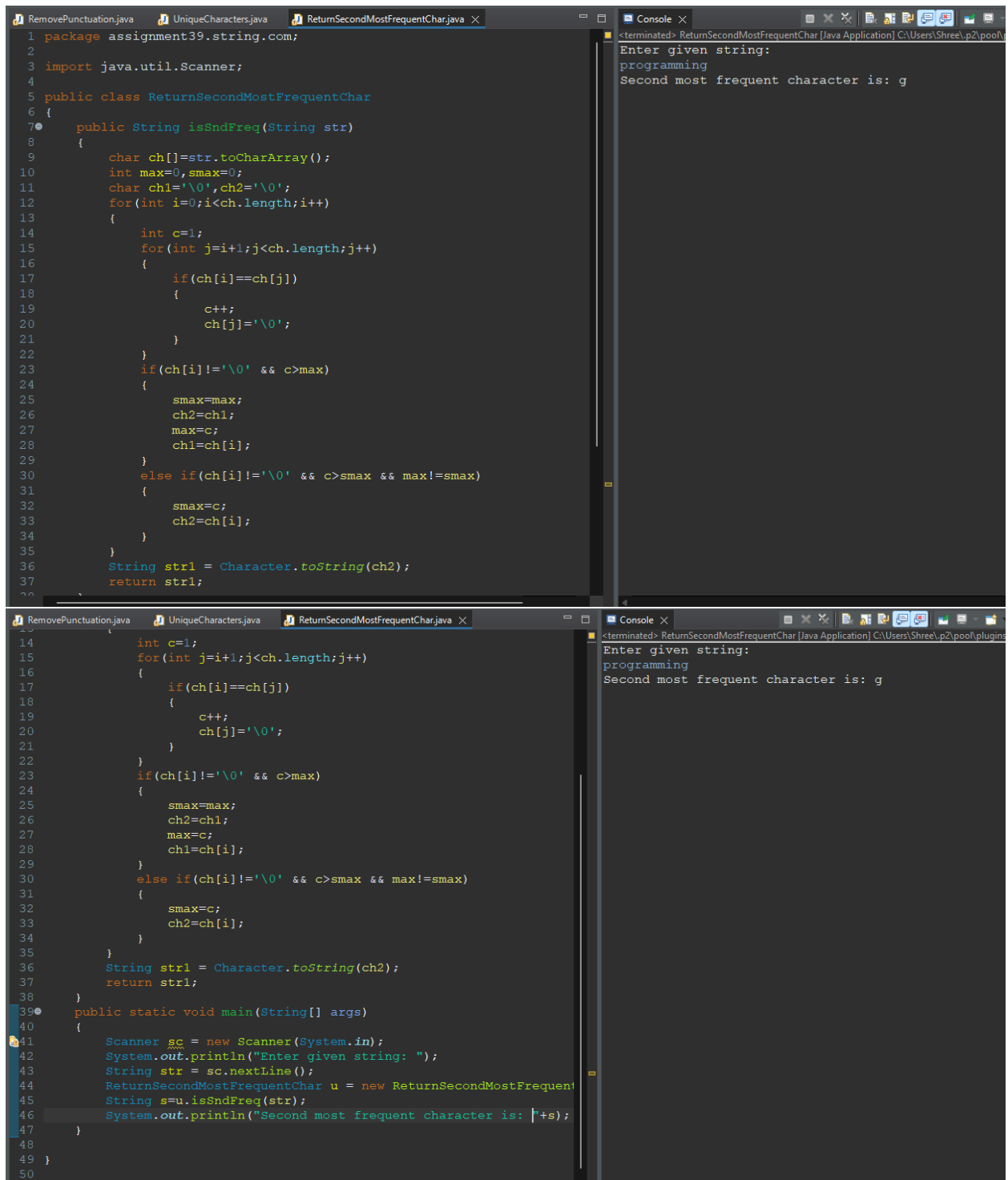


```
1  RemovePunctuation.java  UniqueCharacters.java  Console
2  5  */
3  6  package assignment39.string.com;
4  7
5  8  import java.util.Scanner;
6  9
7  10 public class UniqueCharacters
8  11 {
9  12     public String isUnique(String str)
10 13     {
11 14         int c=0;
12 15         for(int i=0;i<str.length()-1;i++)
13 16         {
14 17             if(str.charAt(i)==str.charAt(i+1))
15 18             {
16 19                 c++;
17 20             }
18 21         }
19 22         if(c!=0)
20 23         {
21 24             return "Its not a unique character";
22 25         }
23 26         else
24 27         {
25 28             return "Its a unique character";
26 29         }
27 30     }
28 31     public static void main(String[] args)
29 32     {
30 33         Scanner sc = new Scanner(System.in);
31 34         System.out.println("Enter given string: ");
32 35         String str = sc.nextLine();
33 36         UniqueCharacters u = new UniqueCharacters();
34 37         String s=u.isUnique(str);
35 38         System.out.println(s);
36 39     }
37 40
38 41 }
```

Console

```
<terminated> UniqueCharacters [Java Application] C:\Users\Shree\p2\pool\plugins\org.eclipse.jus
Enter given string:
asdfg
Its a unique character
```

19. Write a program that takes in a string and returns the second most frequent character in it.



```
1 package assignment39.string.com;
2
3 import java.util.Scanner;
4
5 public class ReturnSecondMostFrequentChar
6 {
7     public String isSndFreq(String str)
8     {
9         char ch[]=str.toCharArray();
10        int max=0,smax=0;
11        char ch1='\0',ch2='\0';
12        for(int i=0;i<ch.length;i++)
13        {
14            int c=1;
15            for(int j=i+1;j<ch.length;j++)
16            {
17                if(ch[i]==ch[j])
18                {
19                    c++;
20                    ch[j]='\0';
21                }
22            }
23            if(ch[i]!='\0' && c>max)
24            {
25                smax=max;
26                ch2=ch1;
27                max=c;
28                ch1=ch[i];
29            }
30            else if(ch[i]!='\0' && c>smax && max!=smax)
31            {
32                smax=c;
33                ch2=ch[i];
34            }
35        }
36        String str1 = Character.toString(ch2);
37        return str1;
38    }
39
40    public static void main(String[] args)
41    {
42        Scanner sc = new Scanner(System.in);
43        System.out.println("Enter given string: ");
44        String str = sc.nextLine();
45        ReturnSecondMostFrequentChar u = new ReturnSecondMostFrequentChar();
46        String s=u.isSndFreq(str);
47        System.out.println("Second most frequent character is: "+s);
48    }
49 }
50
```

Console Output:

```
<terminated> ReturnSecondMostFrequentChar [Java Application] C:\Users\Shree\p2\pool\plugins
Enter given string:
programming
Second most frequent character is: g
```

20. Write a program that takes in a string and checks if it is a valid credit card number

```
5 import java.util.Scanner;
6 public class CheckValidCreaditCardNum
7 {
8     public String isValid(String s)
9     {
10         char ch[]=s.toCharArray();
11         int cnt=0,w=0;
12         for(int i=0;i<ch.length;i++)
13         {
14             if(ch[i]!=' ' && Character.isDigit(ch[i]))
15             {
16                 cnt++;
17             }
18             else if(ch[i]!=' ')
19             {
20                 w++;
21             }
22         }
23         if(cnt>0 && w<=0)
24         {
25             return "Vaild credit card number";
26         }
27         else
28         {
29             return "Not vaild credit card number";
30         }
31     }
32     public static void main(String[] args)
33     {
34         Scanner sc = new Scanner(System.in);
35         System.out.println("Enter given string: ");
36         String str = sc.nextLine();
37         CheckValidCreaditCardNum c = new CheckValidCreaditCardNum();
38         String s=c.isValid(str);
39         System.out.println(s);
40     }
41 }
```

Console

```
<terminated> CheckValidCreaditCardNum [Java Application] C:\
Enter given string:
444 444 333 333
Vaild credit card number
```