REG NO	:	19BCS0012
NAME	:	NITHISH G
COURSE CODE	:	CSC3001
COURSE	:	JAVA PROGRAMMING
DATE	:	13.03.2021

Question:

Unique Digits Count
Write a function to find the count of unique digits in a given number N. The number will be passed to the function as an input parameter of type int.
Assumption: The input number will be a positive integer number >= 1 and <= 25000.

For e.g.
If the given number is 292, the function should return 2 because there are only 2 unique digits '2' and '9' in this number
If the given number is 1015, the function should return 3 because there are 3 unique digits in this number, '1', '0', and '5'.

Source code:

Class: Public class finding_unique_digits

Which has the function call obj.unique_numbers(number)

```
import java.util.Scanner;

public class finding_unique_digits {


        public static void main(String[] args) {

        Main obj = new Main();

    int number;
        Scanner r = new Scanner(System.in);
        System.out.print("Please Enter The Number : ");
```

```
        number = r.nextInt();
        int unique = obj.unique_numbers(number);
        System.out.println("\nSo there are "+unique+" unique numbers are
present");
        }

}
```

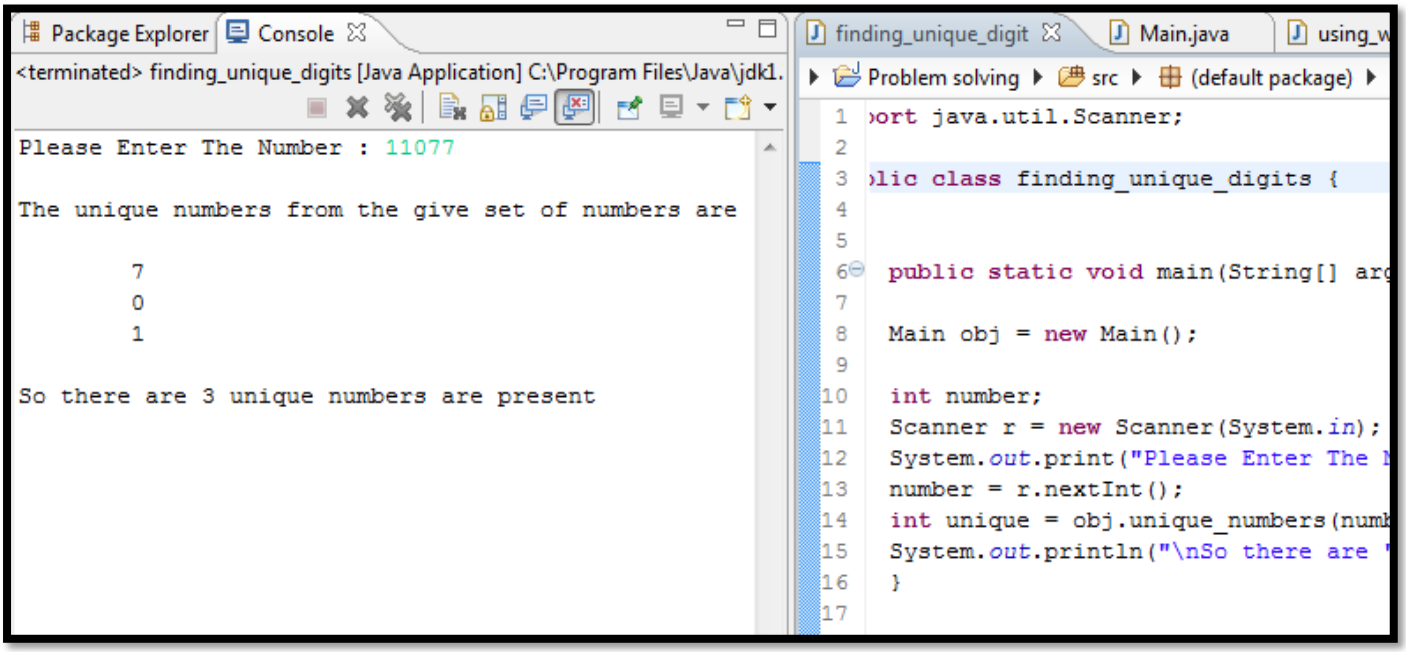
Class: Public class Main

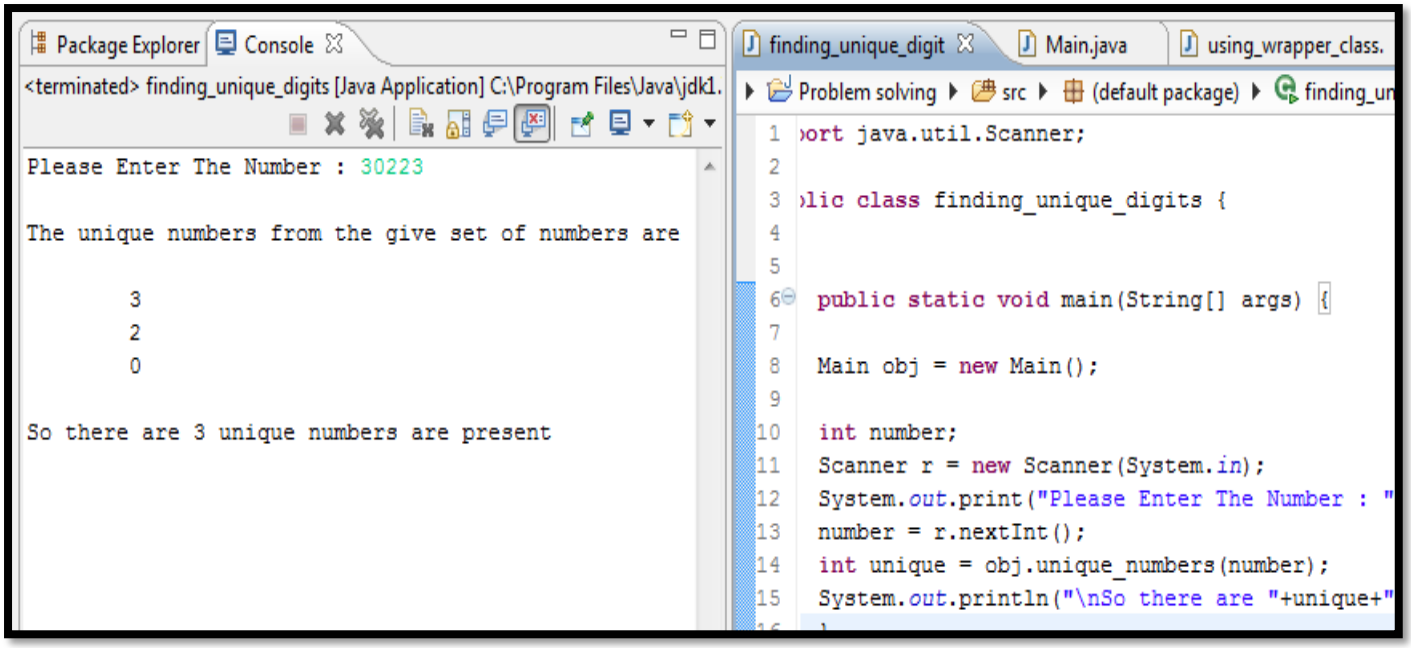
It has the function definition public int unique_numbers (int number)

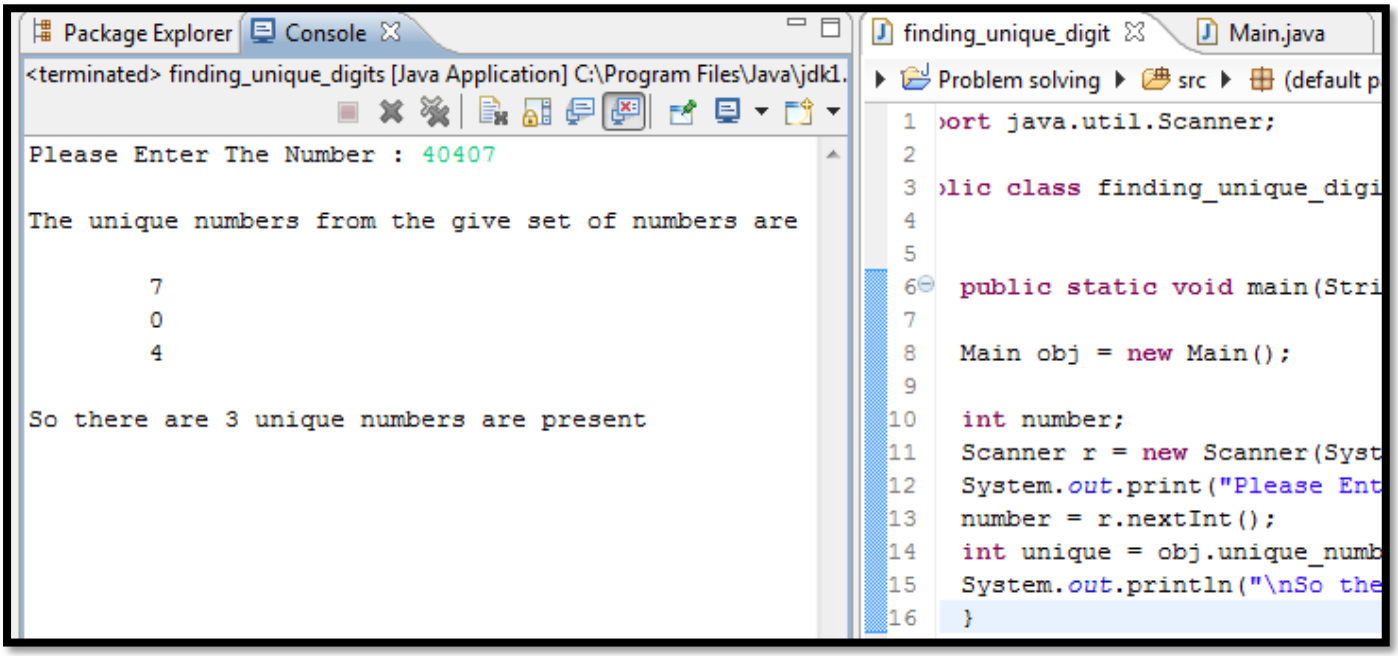
```
public class Main {

    public int unique_numbers(int number)
    {
        int i,c=0,first=0;
        int a[]=new int[10];
        int temp=0;

        while(number >0)
        {
            skip:{
            temp = number % 10;
            number /= 10;

            if(first == 0)
            {
                first++;
                a[c]=temp;

            }

            else{

            for( i = 0 ; i<c; i++)
            {
                if(a[i] == temp)
```

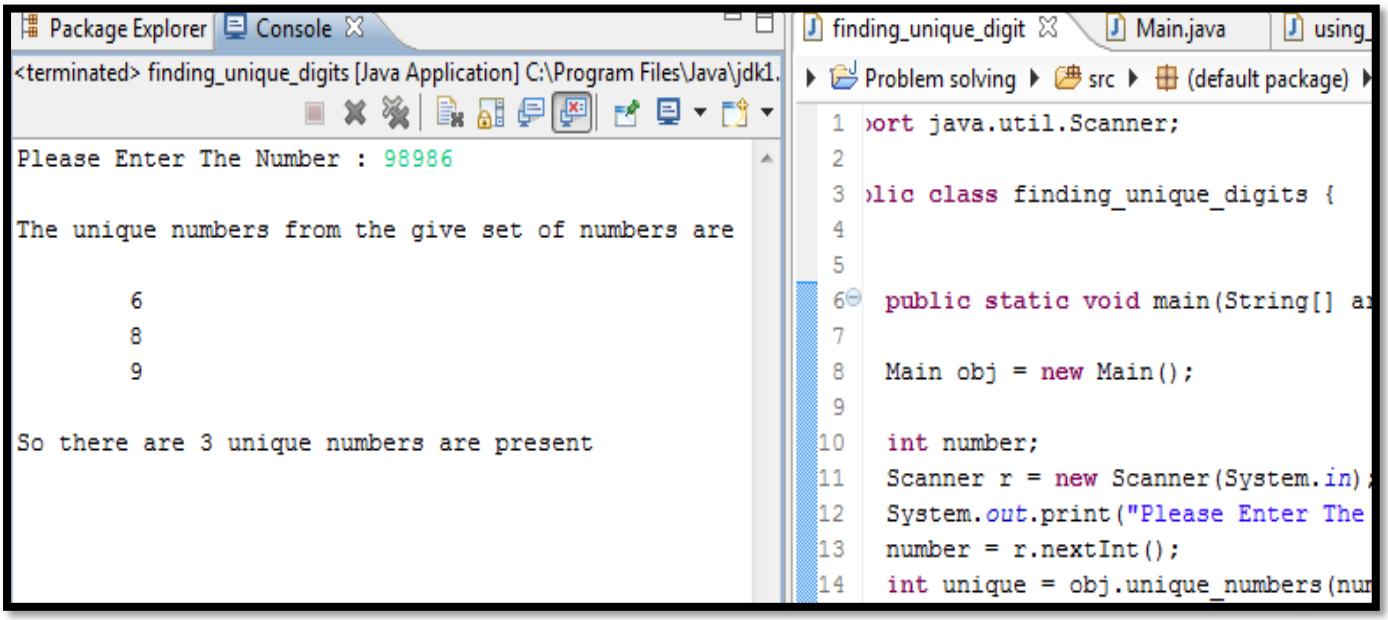
```
                    {
                        break skip;

                    }
                }

                }

                 a[c]=temp;
                    c++;

            }
        }
    System.out.println("\nThe unique numbers from the give
    set of numbers are \n");
        for( i = 0 ; i<c; i++)
        {
            System.out.println("\t"+a[i]);
        }
            return c;
        }

    }
```

Offline compiler Output's:

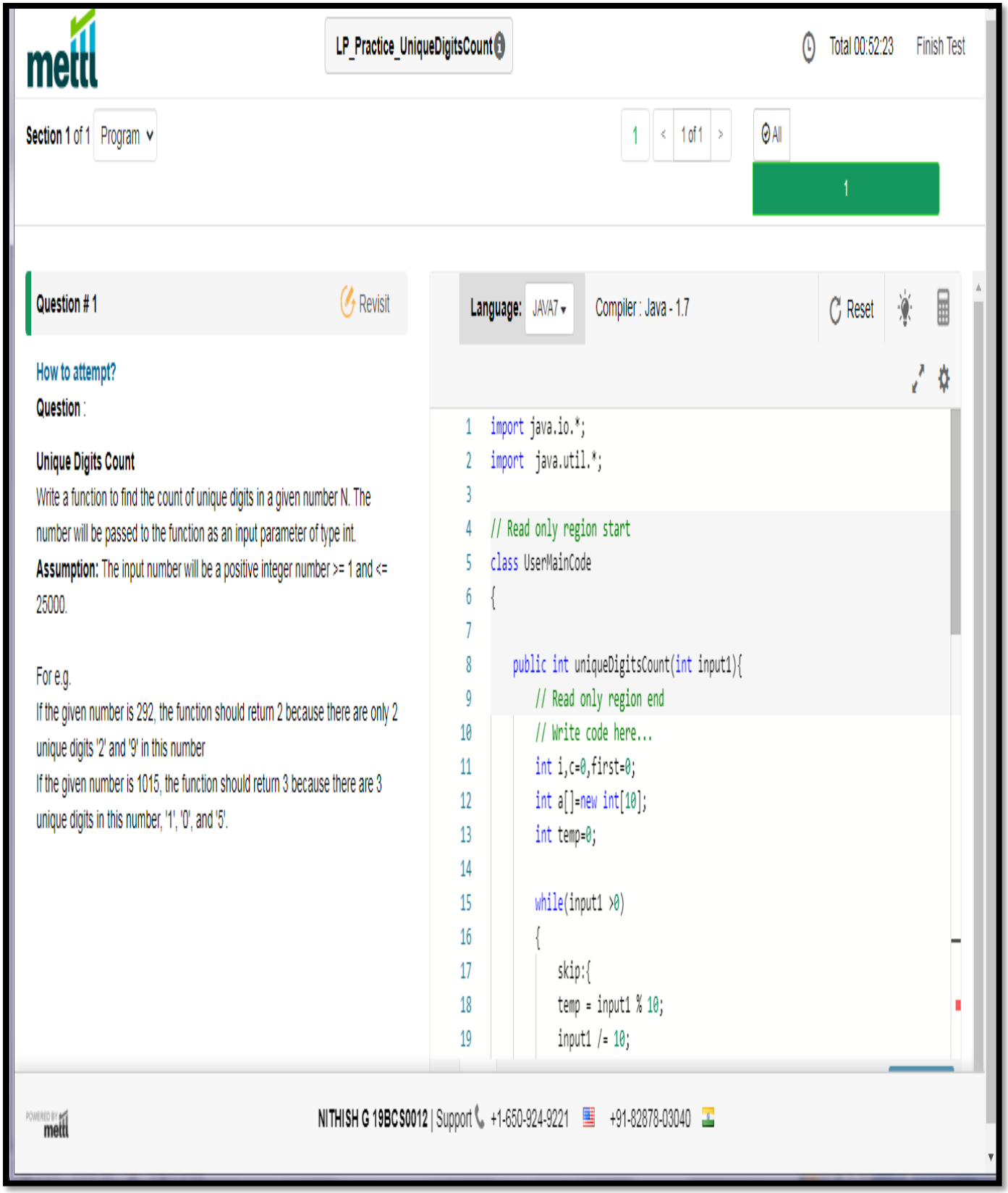


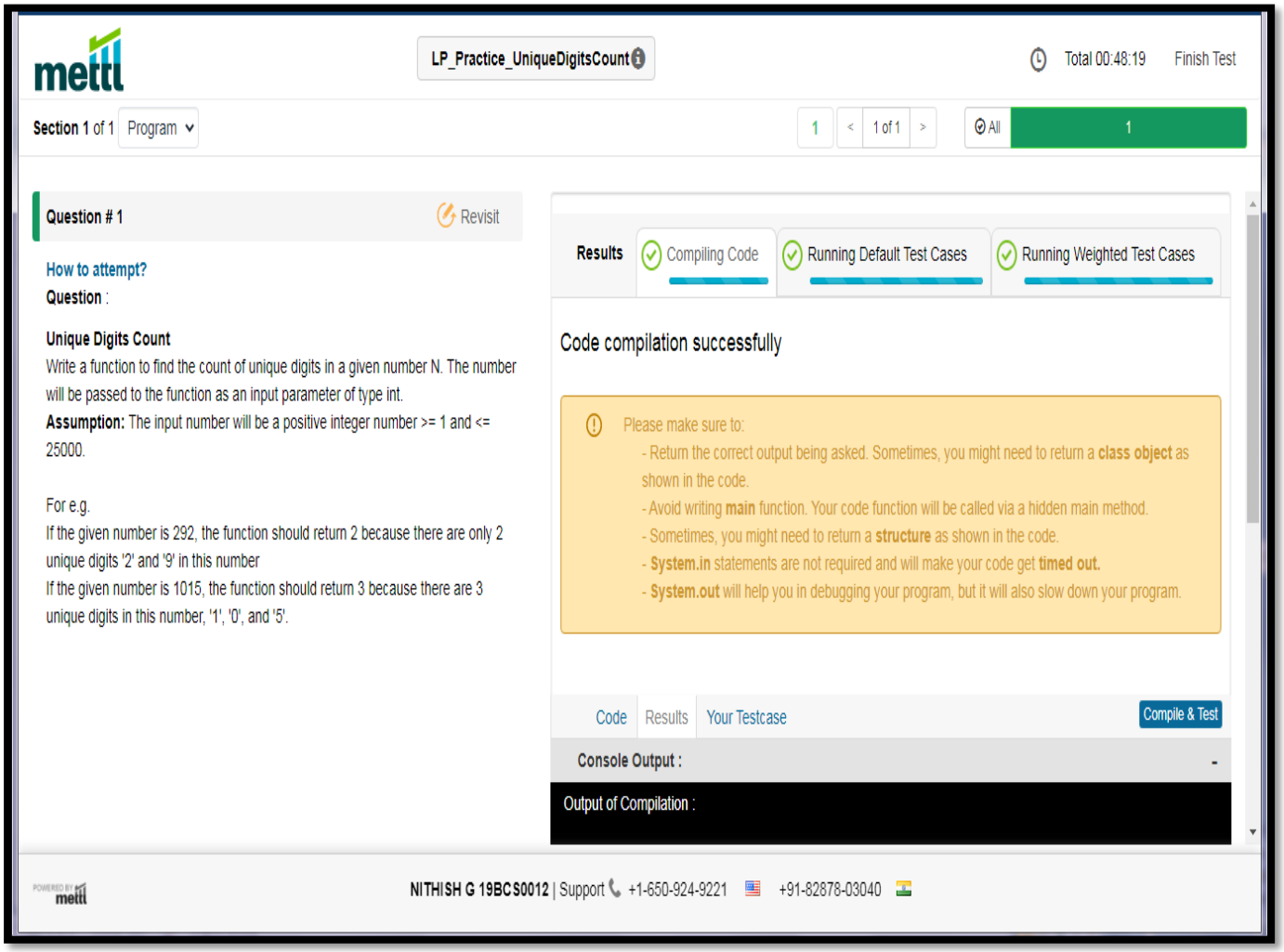

Package Explorer
Console
<terminated> finding_unique_digits [Java Application] C:\Program Files\Java\jdk1.
Please Enter The Number : 30223
The unique numbers from the give set of numbers are
3
2
0
So there are 3 unique numbers are present
finding_unique_digit
Main.java
using_wrapper_class.
Problem solving
src
(default package)
ort java.util.Scanner;
lic class finding_unique_digits {
public static void main(String[] args) {
Main obj = new Main();
int number;
Scanner r = new Scanner(System.in);
System.out.print("Please Enter The Number : "
number = r.nextInt();
int unique = obj.unique_numbers(number);
System.out.println("\nSo there are "+unique+"


Package Explorer
Console
<terminated> finding_unique_digits [Java Application] C:\Program Files\Java\jdk1.
Please Enter The Number : 40407
The unique numbers from the give set of numbers are
7
0
4
So there are 3 unique numbers are present
finding_unique_digit
Main.java
Problem solving
src
ort java.util.Scanner;
lic class finding_unique_digi
public static void main(Stri
Main obj = new Main();
int number;
Scanner r = new Scanner(Syst
System.out.print("Please Ent
number = r.nextInt();
int unique = obj.unique_numb
System.out.println("\nSo the
}


Package Explorer
Console
<terminated> finding_unique_digits [Java Application] C:\Program Files\Java\jdk1.
Please Enter The Number : 98986
The unique numbers from the give set of numbers are
6
8
9
So there are 3 unique numbers are present
finding_unique_digit
Main.java
Problem solving
src
(default package)
ort java.util.Scanner;
lic class finding_unique_digits {
public static void main(String[] a
Main obj = new Main();
int number;
Scanner r = new Scanner(System.in);
System.out.print("Please Enter The
number = r.nextInt();
int unique = obj.unique_numbers(nu

Test case by online compiler




mettl
LP_Practice_UniqueDigitsCount
Total 00:48:19
Finish Test
Section 1 of 1
Program
1 of 1
All
1
Question # 1
Revisit
How to attempt?
Question :
Unique Digits Count
Write a function to find the count of unique digits in a given number N. The number will be passed to the function as an input parameter of type int.
Assumption: The input number will be a positive integer number >= 1 and <= 25000.
For e.g.
If the given number is 292, the function should return 2 because there are only 2 unique digits '2' and '9' in this number
If the given number is 1015, the function should return 3 because there are 3 unique digits in this number, '1', '0', and '5'.
Results
Compiling Code
Running Default Test Cases
Running Weighted Test Cases
Code compilation successfully
Please make sure to:
- Return the correct output being asked. Sometimes, you might need to return a class object as shown in the code.
- Avoid writing main function. Your code function will be called via a hidden main method.
- Sometimes, you might need to return a structure as shown in the code.
- System.in statements are not required and will make your code get timed out.
- System.out will help you in debugging your program, but it will also slow down your program.
Code
Results
Your Testcase
Compile & Test
Console Output :
Output of Compilation :
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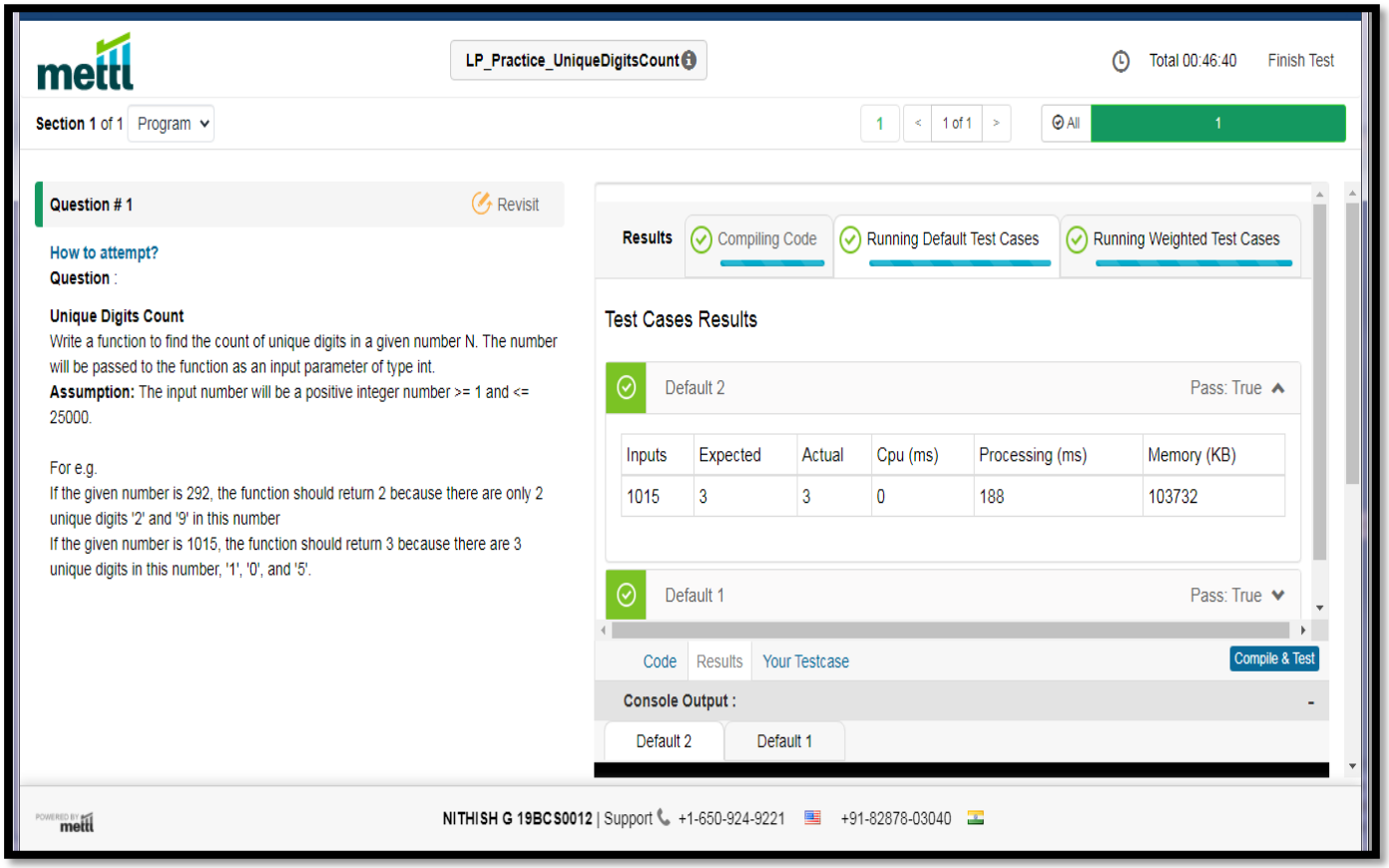
mettl
LP_Practice_UniqueDigitsCount
Total 00:46:40
Finish Test
Section 1 of 1
Program
1 of 1
All
1
Question # 1
Revisit
How to attempt?
Question :
Unique Digits Count
Write a function to find the count of unique digits in a given number N. The number will be passed to the function as an input parameter of type int.
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If the given number is 1015, the function should return 3 because there are 3 unique digits in this number, '1', '0', and '5'.
Results
Compiling Code
Running Default Test Cases
Running Weighted Test Cases
Test Cases Results
Default 2
Pass: True
Inputs
Expected
Actual
Cpu (ms)
Processing (ms)
Memory (KB)
1015
3
3
0
188
103732
Default 1
Pass: True
Code
Results
Your Testcase
Compile & Test
Console Output :
Default 2
Default 1
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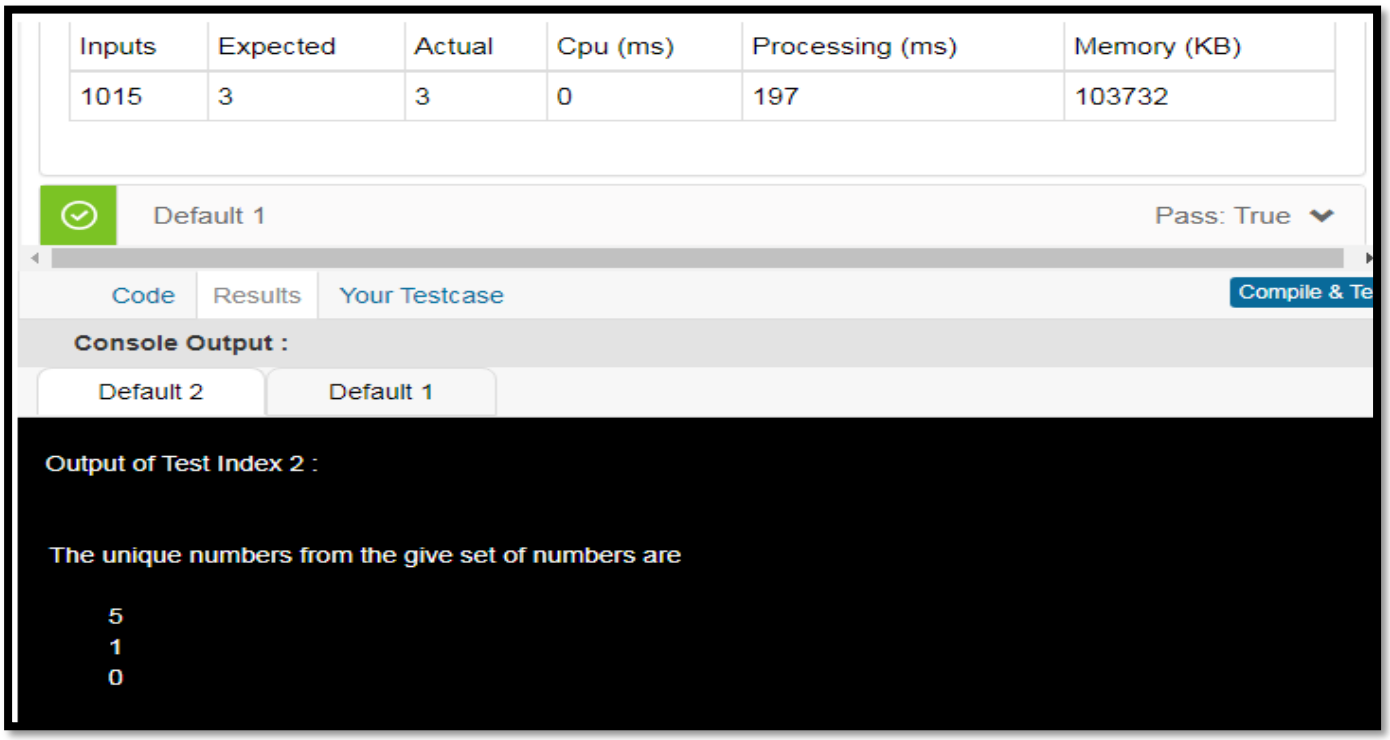
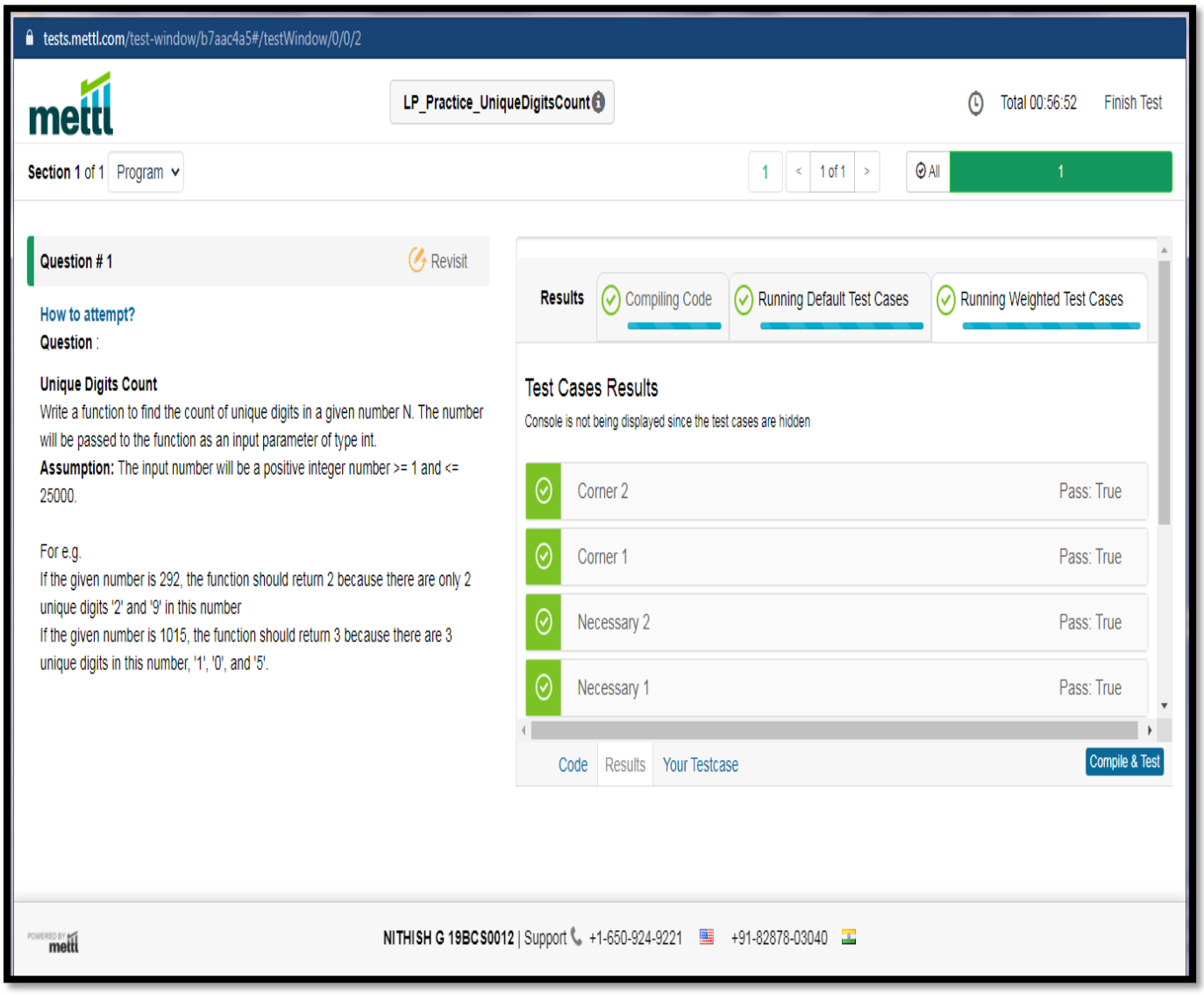

Inputs
Expected
Actual
Cpu (ms)
Processing (ms)
Memory (KB)
1015
3
3
0
197
103732
Default 1
Pass: True
Code
Results
Your Testcase
Compile & Te
Console Output :
Default 2
Default 1
Output of Test Index 2 :
The unique numbers from the give set of numbers are
5
1
0


tests.mettl.com/test-window/b7aac4a5#/testWindow/0/0/2
mettl
LP_Practice_UniqueDigitsCount
Total 00:56:52
Finish Test
Section 1 of 1
Program
1 of 1
All
1
Question # 1
Revisit
How to attempt?
Question :
Unique Digits Count
Write a function to find the count of unique digits in a given number N. The number will be passed to the function as an input parameter of type int.
Assumption: The input number will be a positive integer number >= 1 and <= 25000.
For e.g.
If the given number is 292, the function should return 2 because there are only 2 unique digits '2' and '9' in this number
If the given number is 1015, the function should return 3 because there are 3 unique digits in this number, '1', '0', and '5'.
Results
Compiling Code
Running Default Test Cases
Running Weighted Test Cases
Test Cases Results
Console is not being displayed since the test cases are hidden
Corner 2
Pass: True
Corner 1
Pass: True
Necessary 2
Pass: True
Necessary 1
Pass: True
Code
Results
Your Testcase
Compile & Test
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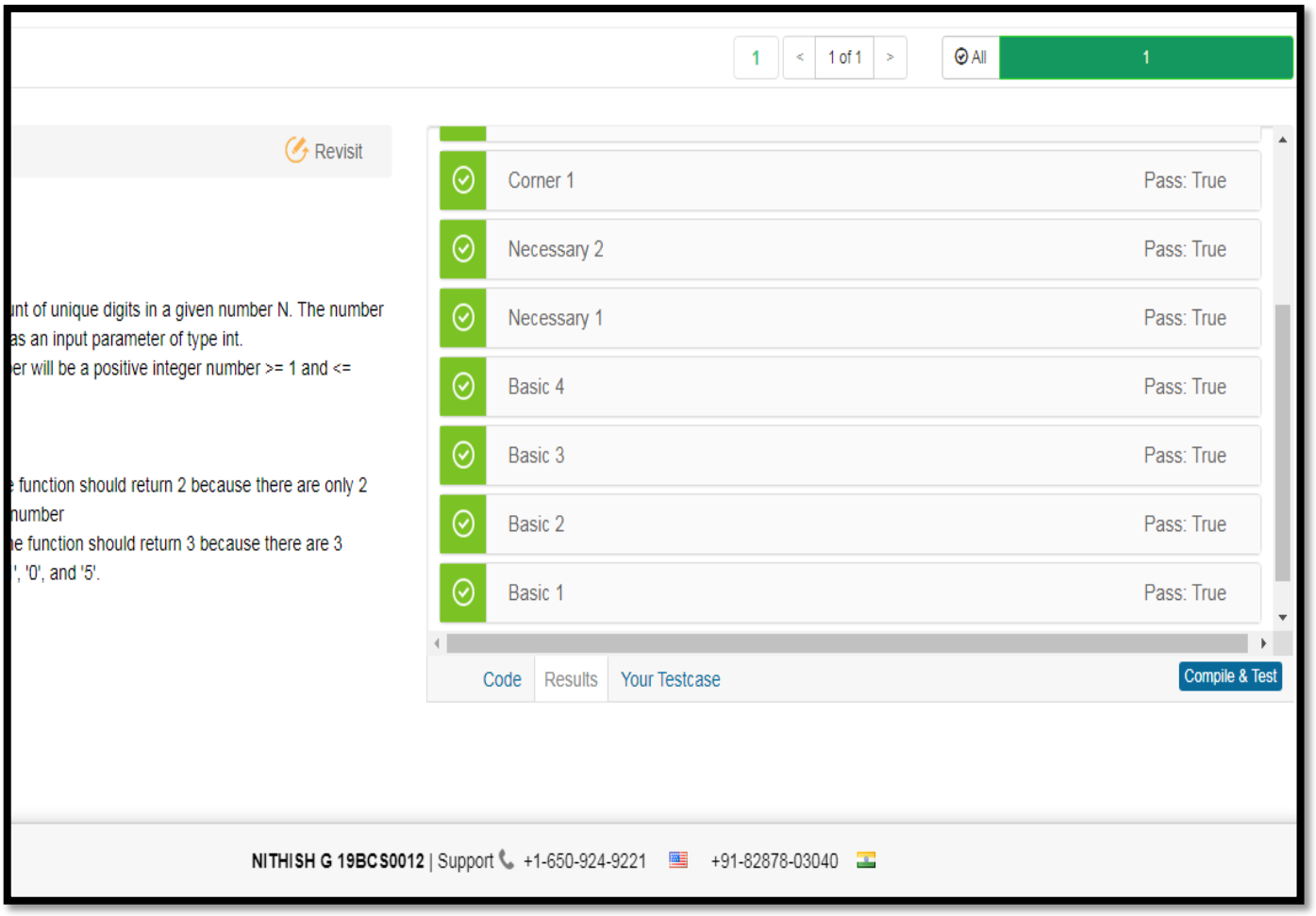
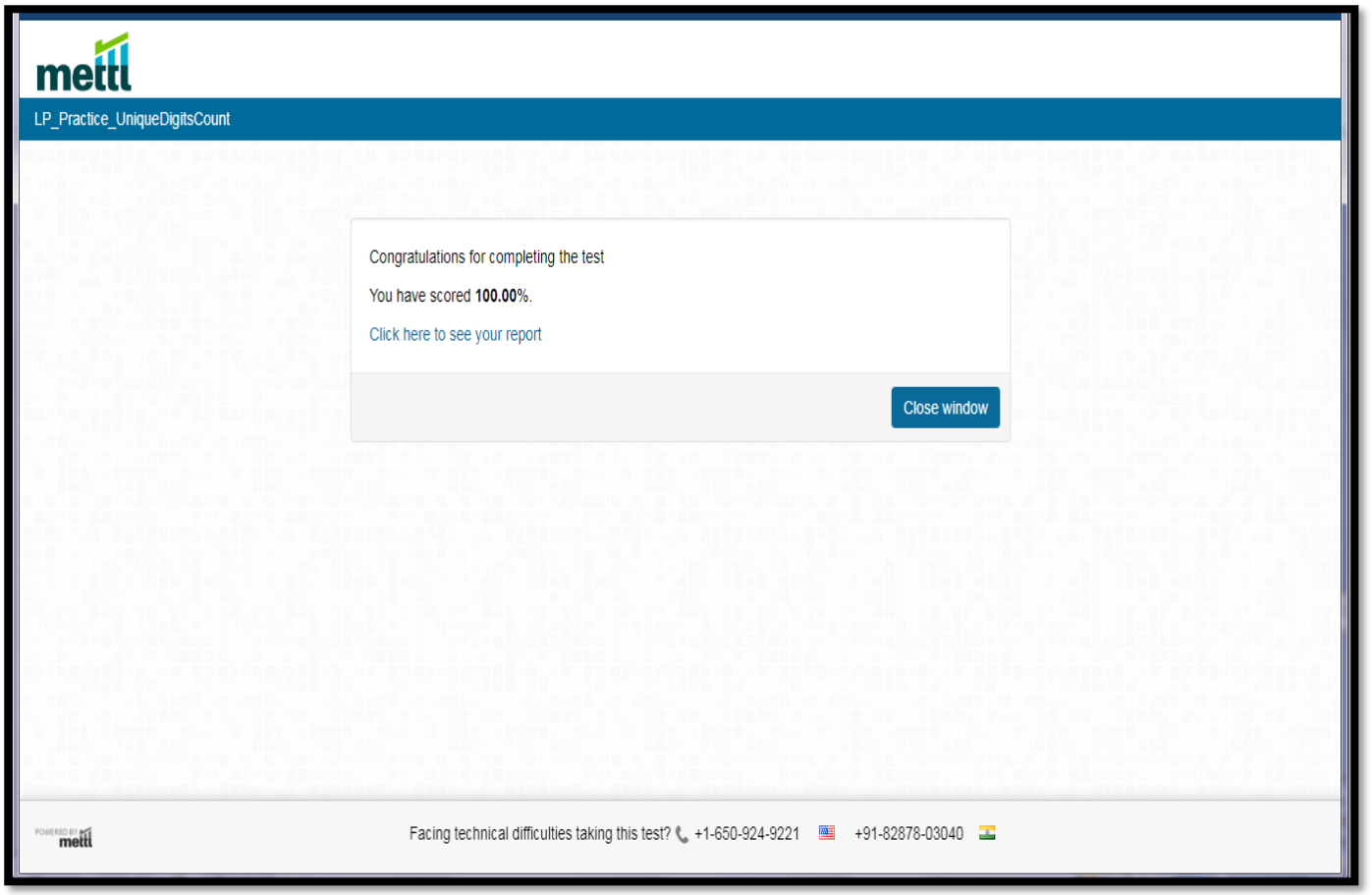

1
1 of 1
All
1
Revisit
unt of unique digits in a given number N. The number
as an input parameter of type int.
er will be a positive integer number >= 1 and <=
function should return 2 because there are only 2
number
e function should return 3 because there are 3
', '0', and '5'.
Corner 1
Pass: True
Necessary 2
Pass: True
Necessary 1
Pass: True
Basic 4
Pass: True
Basic 3
Pass: True
Basic 2
Pass: True
Basic 1
Pass: True
Code
Results
Your Testcase
Compile & Test
NITHISH G 19BCS0012 | Support +1-650-924-9221 +91-82878-03040


mettl
LP_Practice_UniqueDigitsCount
Congratulations for completing the test
You have scored 100.00%.
Click here to see your report
Close window
Facing technical difficulties taking this test? +1-650-924-9221 +91-82878-03040

LP_Practice_UniqueDigitsCount

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Wipro

NITHISH G 19BCS0012

nithish.g2019@vitstudent.ac.in

Test Taken on: March 20, 2021 03:46:48 PM IST

Finish State: Normal

Registration Details

Email Address:	nithish.g2019@vitstudent.ac.in	**First Name:**	NITHISH G 19BCS0012
		Date of birth:	Not filled
Contact No:	Not filled	**Gender:**	MALE
Country:	INDIA	**Employee ID:**	19BCS0012
Location:	TAMIL NADU		

Overall Summary

MARKS SCORED

	Score	Percentile	Percentage
Program	40 / 40	100	100
Total	40 / 40	100	100

Percentile is among 36245 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

1 Correct
(Scored 40/40)

TIME TAKEN

0	22
hr	min

Available time: **1 hr 5 min**

TOTAL QUESTIONS

1

Section-wise Details

Program

MARKS SCORED

	Score	Percentage
2017_LP_Mile01_ Practice	40 / 40	100
Total	40 / 40	100

SUMMARY OF ATTEMPTS

1 Correct
(Scored 40/40)

TIME TAKEN

0	22
hr	min

This was untimed section.

TOTAL QUESTIONS

1

Test Log

20 Mar,2021

03:11 pm	Started the test with Program
03:24 pm	Got disconnected from Server
03:36 pm	Resumed Test
03:36 pm	Candidate IP Changed
03:46 pm	Finished the test