CSC3001-Java Programming

Problem Solving

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'.

Steps to solve:

1. Find the idea.
2. Use the class name and function signature as given in the below image.

```
import java.io.*;
import  java.util.*;

// Read only region start
class UserMainCode
{

    public int uniqueDigitsCount(int input1){
        // Read only region end
        // Write code here...

    }
}
```

3. Use another class for main() and complete the java code in any of the online/offline java compilers with different inputs.

(6 marks will be awarded if completed in online/offline java compilers)

Bonus marks (**4 marks**)

Complete the online test using the below URL:

https://tests.mettl.com/authenticateKey/b7aac4a5

1. Provide your vit gmail and Register number for name.

2. Take screenshot (full screen) after completing online test with your register number shown in the bottom of the page.

Warning:

You can do the test **only once**. The duration is one hour. **Practice well** in offline compiler before opening the online test.