

Saud Khan
Fa21-bse-033
Software Testing
Mid-Lab

ALGORITHM 4: FIRST NON-REPEATING CHARACTER

CONTROL FLOW GRAPH

Saud Khan

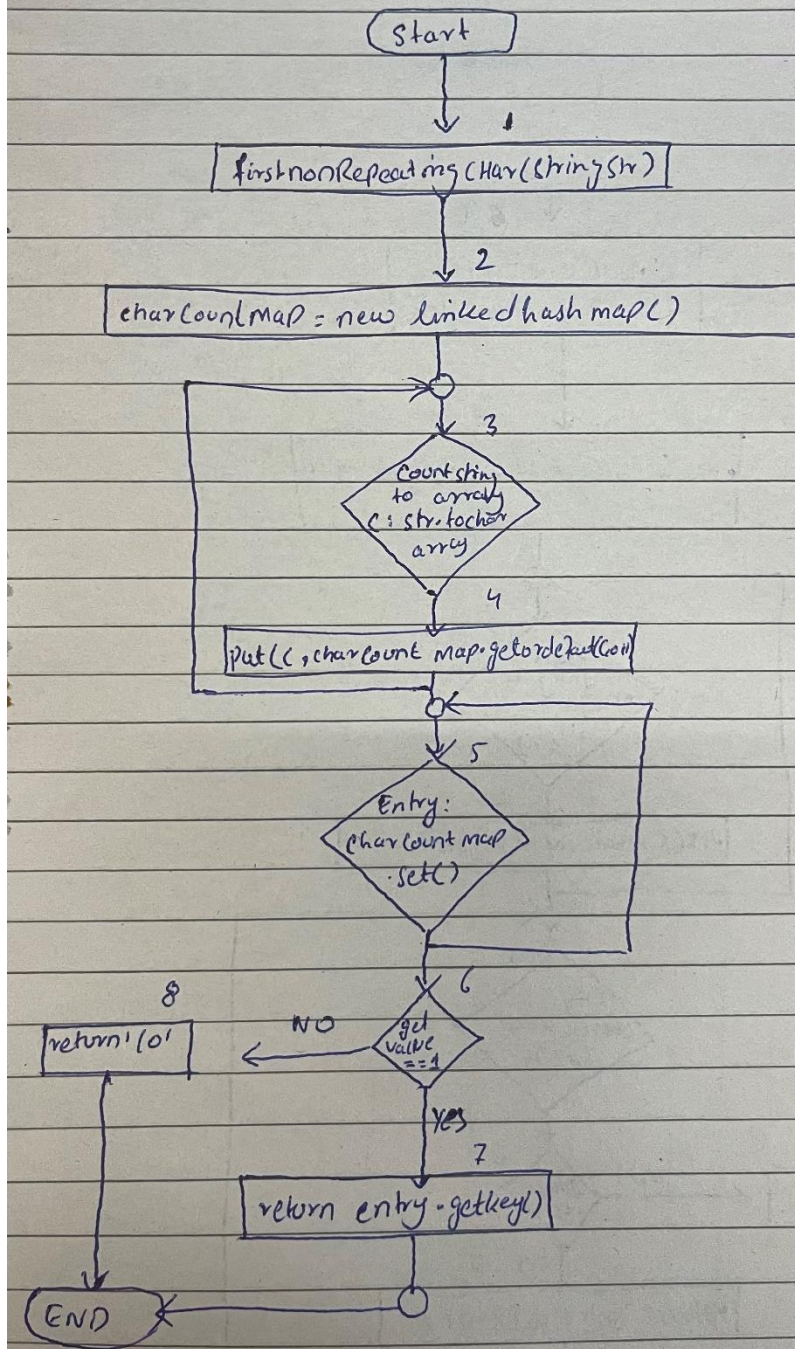
Fazl-BSE-033

Date: _____

Software Testing

Day: _____

FIRST NON-REPEATING CHARACTER



TEST CASES:

T-ID	DESCRIPTION	INPUT VALUES	EXPECTED	ACTUAL	STATUS
1	Test with non repeating character	aabcc	b	B	Pass
2	Test with all repeating character	Sswwiiss	Null	Null	Pass
3	Test with all unique characters	Abc	A	A	Pass
4	Test with empty string	" "	Null	Null	Pass

TC1:

```
23     @Test
24     public void testFirstNonRepeatingChar() {
25         System.out.println("firstNonRepeatingChar");
26         String str = "aabcc";
27         Character expectedResult = 'b';
28         Character result = FirstNonRepeatingChar.firstNonRepeatingChar(str);
29         assertEquals(expectedResult, result);
30     }
31
32
```

javaapplication1.FirstNonRepeatingCharTest > testFirstNonRepeatingChar > expectedResult >

Output - JavaApplication1 (test) x Test Results x

javaapplication1.JavaApplication1Test x javaapplication1.FirstNonRepeatingCharTest x

tests passed: 100.00 %

Both tests passed. (0.047 s)

main
First non-repeating character is: b
firstNonRepeatingChar

TC2:

```
24 public void testFirstNonRepeatingChar() {
25     System.out.println("firstNonRepeatingChar");
26     String str = "sswwiiss";
27     Character expResult = null;
28     Character result = FirstNonRepeatingChar.firstNonRepeatingChar(str);
29     assertEquals(expResult, result);
30 }
31
32
```

javaapplication1.FirstNonRepeatingCharTest > testFirstNonRepeatingChar > expResult >

Output - JavaApplication1 (test) x Test Results x

javaapplication1.JavaApplication1Test x javaapplication1.FirstNonRepeatingCharTest x

Tests passed: 100.00 %
Both tests passed. (0.047 s)

main
First non-repeating character is: null
firstNonRepeatingChar

TC3:

```
24 public void testFirstNonRepeatingChar() {
25     System.out.println("firstNonRepeatingChar");
26     String str = "abc";
27     Character expResult = 'a';
28     Character result = FirstNonRepeatingChar.firstNonRepeatingChar(str);
29     assertEquals(expResult, result);
30 }
31
32
```

javaapplication1.FirstNonRepeatingCharTest > testFirstNonRepeatingChar > str >

Output - JavaApplication1 (test) x Test Results x

javaapplication1.JavaApplication1Test x javaapplication1.FirstNonRepeatingCharTest x

Tests passed: 100.00 %
Both tests passed. (0.047 s)

main
First non-repeating character is: a
firstNonRepeatingChar

TC4:

```
24 public void testFirstNonRepeatingChar() {
25     System.out.println("firstNonRepeatingChar");
26     String str = "|";
27     Character expectedResult = null;
28     Character result = FirstNonRepeatingChar.firstNonRepeatingChar(str);
29     assertEquals(expectedResult, result);
30 }
31
32
```

javaapplication1.FirstNonRepeatingCharTest > testFirstNonRepeatingChar > str >

Output - JavaApplication1 (test) × Test Results ×

javaapplication1.JavaApplication1Test × javaapplication1.FirstNonRepeatingCharTest ×

tests passed: 100.00 %
Both tests passed. (0.047 s)

main
First non-repeating character is: null
firstNonRepeatingChar

CODE: CHECK THE CODE FROM REPOSITORY

Class: FirstNonRepeatingChar

Test Class: FirstNonRepeatingCharTest