

Clone Pairs 1 : 71.4% **3**

**1**

Input Code

```
public String fizzBuzz(int number) {
    if (number <= 0) {
!       return "Not Natural Number";
    }
    if (number % 15 == 0) {
!       return "fizzbuzz";
    } else if (number % 3 == 0) {
!       return "fizz";
    } else if (number % 5 == 0) {
!       return "buzz";
    } else {
        return Integer.toString(number);
    }
}
```

**2**

Similarity Code

```
public String fizzBuzz(int number) {
    if (number <= 0) {
!       throw new RuntimeException();
    }
    if (number % 15 == 0) {
!       return "FizzBuzz";
    } else if (number % 3 == 0) {
!       return "Fizz";
    } else if (number % 5 == 0) {
!       return "Buzz";
    } else {
        return Integer.toString(number);
    }
}
```

Test Suite

**4**

Exception Handling

Assertion  
Roulette

Conditional  
Test Logic

Default  
Test

Eager  
Test

Mystery  
Guest

Lines 8 - 13 of tcs-expt-similar/src/test/java/jp/tcs/expt02/FizzBuzz1Test.java

```
@Test(expected=RuntimeException.class)
public void test1() {
    FizzBuzz1 fb = new FizzBuzz1();
    fb.fizzBuzz(-1);
}
```

Lines 14 - 21 of tcs-expt-similar/src/test/java/jp/tcs/expt02/FizzBuzz1Test.java

```
@Test
public void returnBuzz_input5() throws Throwable {
    FizzBuzz1 fizzBuzz = new FizzBuzz1();
    String actual = fizzBuzz.fizzBuzz(5);
    String expected = "Buzz";
    assertEquals(expected, actual);
}
```

**5**