



## Test A -

line 39: Will print "1. test; aString: local"

Line 40: `method 1 (a string)`,

The next line will print:

"2. method 1: a: new value"

Line 41 % will print what line 39 printed for a string because strings are immutable objects.



Test B → Line 44: Will print "1. test: this.aString: initial"  
as this.aString in this case means  
new will change(), aString which has the  
value "initial" stored in the aString variable.

Line 45: method1(this.aString);

method called Here, aString = "initial"  
Again in method 1 a new object is created  
which has the value "new value"  
The next line will print: "2. method1: a: new value"

Line 46: Will again print what line 44 printed.  
for this.aString i.e. "initial"

Test C → Line 44: Will print "1. test: aString: local"  
Here aString will point to the value of object aString

Line 50: method2(aString);

method called Here, aString = "local"  
within the method 2, ~~this~~  
this.aString = "new value"

So, it changes the value of aString from  
~~"new value"~~ "initial" to "new value"

aString value of the anonymous object  
The next line will print: "2. method 2: a: new value"

Line 51: Will again print what line 44 printed.  
for aString i.e. "local"

Test D → Line 54: Will print "1. test: this.aString: new value"  
It will print "new value" because previously  
in method 2 we changed its value from  
"initial" to "new value"



Line 55: method 2 (this.aString);

↑ method called Here, aString = "new value"  
Within method 2, it will reinitialize aString to "new value" then print "2. method 2: a: new value".

Line 56: Will again print what Line 54 printed for this.aString i.e. "new value"

Test E → Line 59: Will print "1. Test: aString: local".

Here, aString will be pointing to the value of object aString.

Line 60: method 3(aString);

↑ method called Here, aString = "local"  
Within method 3, aString is initialized to a NewString which is equal to "get a new one" and prints "2. method 3: a: get a new one".

Line 61: Will print ~~what~~ again what Line 59 printed for aString i.e. "local"

Test F → Line 64: Will print "1. Test: this.aString: new value"  
Here, this.aString points to "new value".

Line 65: ~~method 3(aString)~~  
method 3(this.aString);

↑ method called Here, aString = "new value"  
Within method 3, aString is initialized to a NewString which has the ~~same~~ value or string "get a new one". So, aString is equal to that and prints: "2. method 3: a: get a new one"



Line 70: `method 4(aString),`

asString = this.asString;  
asString is initialized to the value of this.asString  
which is "new value" and will print:  
"2. method 4: a: new value"

Test H → Line 74: Will print "1.test:this.aString: new value"  
Here, ~~again~~ this.aString is pointing to "new value"

method called Here, `asString` = "new value"  
within method 4 :

Line 76: Will again print ~~the~~ what Line 74 printed  
for this string i.e. "new value"