```
 9            int counter = 0;
10            int theNumberThree = 3;
11      // first block begins          ////////////////////////////
12            String aString = "123";
13            String bString = "123";
14            String cString = "12" + "3";
15            String dString = "12" + theNumberThree;
16            String eString = "123" + aString;
17            String fString = "123123";
```

0x0000	"123"	string literal
0x0001	"123"	
0x0002	"123123"	
0x0003	"123123"	string literal
0x0004		
0x0005	0x0003	fString
0x0006	0x0002	eString
0x0007	0x0001	dString
0x0008	0x0000	cString
0x0009	0x0000	bString
0x000A	0x0000	aString

```
19            System.out.println("" + ++counter + ".  " +
( aString  == bString ) );
```

Since aString and bString is pointing to the same address 0x0000, so the output of this statememt is True

```
20            System.out.println("" + ++counter + ".  " +
( bString  == cString ) );
```

Since bString and cString is pointing to the same address 0x0000, so the output of this statememt is True

```
21            System.out.println("" + ++counter + ".  " +
( cString  == dString ) );
```

Since cString and dString is pointing to differen addresses. cString is pointing to 0x0000 while dString is pointing to 0x0001, so the output of this statememt is False

```
22            System.out.println("" + ++counter + ".  " +
( eString  == fString ) );
```

Since aString and fString is pointing to differen addresses. aString is pointing to 0x0000 while fString is pointing to 0x0003, so the output of this statememt is False

```
26          String aaString = "123";
27          String bbString = new String("123");
28          String ccString = new String(aString);
29          String ddString = method1();
30          String eeString = method2();
31          String ffString = method1() + method2();
32
33          System.out.println("" + ++counter + ".  " +   ( aaString  == bbString ) );
34          System.out.println("" + ++counter + ".  " +   ( aaString  == ccString ) );
35          System.out.println("" + ++counter + ".  " +   ( aaString  == ddString ) );
36          System.out.println("" + ++counter + ".  " +   ( aaString  == eeString ) );
37          System.out.println("" + ++counter + ".  " +   ( ffString  == "123123" ) );
```

0x0000	"123"	string literal
0x0001	"123"	
0x0002	"123"	
0x0003	"123123"	string literal
0x0004	"123123"	
0x0005	0x0004	ffString
0x0006	0x0000	eeString
0x0007	0x0000	ddString
0x0008	0x0002	ccString
0x0009	0x0001	bbString
0x000A	0x0000	aaString

```
33          System.out.println("" + ++counter + ".  " +   ( aaString  == bbString ) );
```

Since aaString and bbString is pointing to differen addresses. aaString is pointing to 0x0000 while bbString is pointing to 0x0001, so the output of this statememt is False

```
34          System.out.println("" + ++counter + ".  " +   ( aaString  == ccString ) );
```

Since aaString and cc String is pointing to differen addresses. aaString is pointing to 0x0000 while ccString is pointing to 0x0002, so the output of this statememt is False

```
35          System.out.println("" + ++counter + ".  " +   ( aaString  == ddString ) );
```

Since aaString and ddString is pointing to the same address 0x0000, so the output of this statememt is True

```
36          System.out.println("" + ++counter + ".  " +   ( aaString  == eeString ) );
```

Since aaString and eeString is pointing to the same address 0x0000, so the output of this statememt is True

```
37          System.out.println("" + ++counter + ".  " +   ( ffString  == "123123" ) );
```

Since ffString and string literal "123123" are pointing to differen addresses. ffString is pointing to 0x0004 while "123123" is at address 0x0001, so the output of this statememt is False