Variable Dry Run Table Puzzles: Solutions

Note only answers with completed dry run tables get any marks even if the answers are right!

1.
   The final value of x is: 7
   The final value of y is: 7
2.
   The final value of x is: 5
   The final value of y is: 5
3.
   The final value of x is: 5
   The final value of y is: 5
4.
   The final value of red is: "yellow"
   The final value of blue is: "yellow"
5.
   The final value of x is: 3
   The final value of y is: 5
6.
   The final value of x is: 1
   The final value of y is: 1
   The final value of z is: 3
7.
   The final value of one is: 3
   The final value of two is: 2
   The final value of three is: 2
8.
   The final value of a is: 8
   The final value of b is: 8
   The final value of c is: 8
9.
   The final value of a is: 2
   The final value of b is: 2
   The final value of c is: 1
10.
   The final value of x is: 2
   The final value of y is: 3
   The final value of z is: 2

1. **Fill in the dry run table then state the final values stored in each variable after the code fragment has executed.**

```
x = 5
y = 7
x = y
```

x	y
~~5~~	
	7
7	

The final value of x is _____7____ The final value of y is ____7_____

2. **Fill in the dry run table then state the final values stored in each variable after the code fragment has executed.**

```
x = 5
y = 7
y = x
```

X	Y
5	
	7
	5

The final value of x is ____5_____ The final value of y is ___5_____

3. **Fill in the dry run table then state the final values stored in each variable after the code fragment has executed.**

```
y = 7
x = 5
y = x
```

Y	X
7	
	5
5	

The final value of x is ___5_____ The final value of y is __5_____

4. **Fill in the dry run table then state the final values stored in each variable after the code fragment has executed.**

```
red = "red"
blue = "yellow"
red = blue
```

red	blue
"red"	
	"yellow"
"yellow"	

The final value of red is ____"yellow"_____ The final value of blue is ____"yellow"_____

5. **Fill in the dry run table then state the final values stored in each variable after the code fragment has executed.**

```
y = 7
x = 5
y = x
x = 3
```

y	x
7	
	5
5	
	3

The final value of x is ____3_____ The final value of y is ___5_____

6. **Fill in the dry run table then state the final values stored in each variable after the code fragment has executed.**

```
x = 1
y = 2
z = 3
y = x
x = y
```

x	y	z
1		
	2	
		3
	1	
1		

The final value of x is ____1_____ The final value of y is ____1_____ The final value of z is ____3_____

7. **Fill in the dry run table then state the final values stored in each variable after the code fragment has executed.**

```
one = 1
two = 3
three = 2
one = two
two = three
```

one	two	three
1		
	3	
		2
3		
	2	

The final value of one is ___3__

The final value of two is __2___

The final value of three is _2____

8. **Fill in the dry run table then state the final values stored in each variable after the code fragment has executed.**

```
a = 9
b = 7
c = 8
a = c
b = a
c = b
```

a	b	c
9		
	7	
		8
8		
	8	
		8

The final value of a is _8____ The final value of b is __8___ The final value of c is __8___

9. **Fill in the dry run table then state the final values stored in each variable after the code fragment has executed.**

```
a = 1
b = 2
c = 3
c = b
c = a
a = b
```

a	b	c
1		
	2	
		3
		2
		1
2		

The final value of a is ___2__ The final value of b is _2____ The final value of c is __1___

10. **Fill in the dry run table then state the final values stored in each variable after the code fragment has executed.**

```
x = 3
y = 2
z = 3
z = y
y = x
x = z
```

x	y	z
3		
	2	
		3
		2
	3	
2		

The final value of x is _2____ The final value of y is _3____ The final value of z is ___2__