Swap the variables with and without temporary variables using Python

Let's have some practice with variables.
1. Create a variable named "website" and assign "codingninjas.com" as a string to it and print this variable.
2. Now assign a different value to this "website" variable and again print it.

Assign multiple values to multiple variables.
3. After this, create three variables, namely, "a, b, c," separated by a comma and assign them different types of values like float(5.3), int(10) or string("Hi") again separated by a comma.
Print all these three variables.

```
a, b, c = 5.3, 10, "Hi"
```

We can also assign a single value to multiple variables at once.
4. Again, create three variables "x, y, z" and assign a single value to these.

```
a = b = c = "Alas"
```

Activity

Let's swap the variables.

Try to swap the variables with the use of a temporary variable.
1. Create two variables and assign some values to these.
2. Print these variables.
3. Now try to swap the values of these variables with the help of a temporary variable.
4. Again, print the values of these variables to verify.

Hint: Create two variables say 'x' and 'y', and assign some values to these. Now create a new variable 'temp', which will be used to temporarily hold the value of one of the variables, let's say 'x'. Now assign the value of 'y' to 'x'. And then the value of 'x', which we stored in the 'temp' variable in 'y'. This will swap the values of 'x' and 'y'.

```
x, y = 4, 7
temp = x
x = y
```

```
y = temp
```

Now try to swap the variable without using any temporary variable.
Hint: In python, we can also swap the variables without using temporary variables.

```python
x, y = 4, 7

x, y = y, x
print("x = ", x)
print("y = ", y)
```