Passing by Reference Versus Passing by Value

All parameters (arguments) in the Python language are passed by reference. It means if you change what a parameter refers to within a function, the change also reflects back in the calling function. For example:

```
#!/usr/bin/python

# Function definition is here

def changeme( mylist ):
    "This changes a passed list into this function"
    mylist.append([1,2,3,4]);
    print "Values inside the function: ", mylist
    return

# Now you can call changeme function
mylist = [10,20,30];
changeme( mylist );
print "Values outside the function: ", mylist
```

Here, we are maintaining reference of the passed object and appending values in the same object. So, this would produce the following result:

```
Values inside the function: [10, 20, 30, [1, 2, 3, 4]]

Values outside the function: [10, 20, 30, [1, 2, 3, 4]]
```

There is one more example where argument is being passed by reference and the reference is being overwritten inside the called function.

```
#!/usr/bin/python

# Function definition is here

def changeme( mylist ):
```

