

duplicate of list and nested list

```
l1 = [[0, 1], 2, 3]
```

```
l2 = [4, 5, 6]
```

```
l3 = l1 + l2
```

```
l1[0][0] = 10
```

```
l2[0] = 40
```

```
print(l3)
```

```
print(l1)
```

```
print(l2)
```

```
[[10, 1], 2, 3, 4, 5, 6]
```

```
[[10, 1], 2, 3]
```

```
[40, 5, 6]
```

#assign and modification

```
x = set([1, 2, 3])
```

```
y = x
```

```
y |= set([4, 5, 6])
```

```
print(y)
```

```
print(x)
```

```
x = set([1, 2, 3])
```

```
y = x
```

```
y = y|set([4, 5, 6])
```

```
print(x)
```

```
print(y)
```

```
{1, 2, 3, 4, 5, 6}
```

```
{1, 2, 3, 4, 5, 6}
```

```
{1, 2, 3}
```

```
{1, 2, 3, 4, 5, 6}
```

Set is mutable. 못 바꾸는 set를
만들려면 frozenset() function을 이용

```
# tuple of vowels  
vowels = ('a', 'e', 'i', 'o', 'u')
```

```
fSet = frozenset(vowels)  
print('The frozen set is:', fSet)
```

```
# frozensets are immutable  
fSet.add('v')
```

```
---
```

```
The frozen set is: frozenset({'a', 'o', 'u', 'i', 'e'})
```

```
Traceback (most recent call last):
```

```
File "<string>", line 8, in <module>
```

```
    fSet.add('v')
```

```
AttributeError: 'frozenset' object has no attribute 'add'
```

```
#순서는 random 하게 나옴
scores = {"철수": 90, "민수": 85, "영희": 80}
```

```
for key in scores:
    val = scores[key]
    print("%s : %d" % (key, val))
```

```
for key in scores.keys():
    val = scores[key]
    print("%s : %d" % (key, val))
```

```
for i in scores.keys():
    print(i)
    val = scores[i]
    print("%s : %d" % (i, val))
```

```
for j in scores.items():
    print(j)
```

```
철수 : 90
민수 : 85
영희 : 80
철수 : 90
민수 : 85
영희 : 80
철수
철수 : 90
민수
민수 : 85
영희
영희 : 80
('철수', 90)
('민수', 85)
('영희', 80)
```