

## Приклад №6

### Словники

```
example6.py > ...
1  # Словники
2
3  main_dict = {'a': 1, 'b': 2, 'c': 3, 'd': 4, 'e': 5}
4  empty_dict = {}
```

```
print(main_dict['c'])
print(main_dict['a'])
```

```
>>> 3
>>> 1
```

```
main_dict[6] = 'f'
print(main_dict)
```

```
>>> {'a': 1, 'b': 2, 'c': 3, 'd': 4, 'e': 5, 6: 'f'}
```

```
buf = main_dict[6]
main_dict[6] = 6
main_dict[buf] = main_dict.pop(6)
print(main_dict)
```

```
>>> {'a': 1, 'b': 2, 'c': 3, 'd': 4, 'e': 5, 'f': 6}
```

```
del main_dict['c']
print(main_dict)
```

```
>>> {'a': 1, 'b': 2, 'd': 4, 'e': 5, 'f': 6}
```

### Множину

```
# Множину
main_set = set('Hello, World!')
empty_set = set()
```

```
second_set = main_set.copy()
print(main_set)
print(second_set)
```

```
>>> {' ', 'e', 'r', 'H', 'l', 'd', '!', 'o', ',', 'W'}
>>> {' ', 'e', 'r', 'H', 'l', 'd', '!', 'o', ',', 'W'}
```

```
main_set.add('Hello')
print(main_set)
```

```
>>> {' ', 'Hello', 'e', 'r', 'H', 'l', 'd', '!', 'o', ',', 'W'}
```

```
main_set.remove('e')
print(main_set)
```

```
>>> {' ', 'Hello', 'r', 'H', 'l', 'd', '!', 'o', ',', 'W'}
```

```
main_set.pop()
print(main_set)
```

```
>>> {'Hello', 'r', 'H', 'l', 'd', '!', 'o', ',', 'W'}
```

```
print(main_set & second_set)
```

```
>>> {'r', 'H', 'l', 'd', '!', 'o', ',', 'W'}
```

```
print(main_set | second_set)
```

```
>>> {'Hello', 'e', 'H', 'l', ' ', 'W', ' ', 'r', 'd', '!', 'o'}
```

```
print(main_set - second_set)
```

```
>>> {'Hello'}
```

```
print(main_set ^ second_set)
```

```
>>> {' ', 'Hello', 'e'}
```