Kolekcja – dictionary (słownik)

Obok listy można zadeklarować słownik. Słownik skłąd asię z par:

key: value

Odwołanie do elementów słownika odbywa się według klucza:

```
slownik = {1:'Pn',2:'Wt',3:'Śr',7:'N'} # posiada pary

print(slownik[0]) 

Zgłoszony wyjątek

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Wyświetlenie całego słownika:

```
slownik = {1:'Pn',2:'Wt',3:'Śr',7:'N'} # posiada pary

print(slownik)

C:\Program Files (x86)\Microsoft Visual Studio\Shared\F

{1: 'Pn', 2: 'Wt', 3: 'Śr', 7: 'N'}

Press any key to continue . . .
```

Dopisanie elementu słownika odbywa się na końcu słownioka:

```
slownik = {1:'Pn',2:'Wt',3:'Śr',7:'N'} # posiada pary

print(slownik)

# dopisanie elementu do słownika
slownik[4] = 'Czwartek'

print(slownik)

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```

Słownik może posiadać różne typy kluczy oraz różne typu danych:

```
slownik = {1:'Pn',2:'Wt',7:'N'}
slownik['a'] = 'a'
slownik['b'] = 2
slownik[True] = 'Prawda' # odnosi się do pierwszego elementu słownika
print(slownik)

C:\Program Files (x86)\Microsoft Visual Studio\Shared\Python37_64\python.exe
{1: 'Prawda', 2: 'Wt', 7: 'N', 'a': 'a', 'b': 2, 'c': True}
Press any key to continue . . . _
```

Funkcja 'get' (pomaga w niewyrzucaniu wyjątków):

Wyświetlenie słownika w pionie:

Wyświetlenie słownika w pionie z kluczami:

```
1 slownik = {1:'Pn',2:'Wt',7:'N'}
2 print(slownik)
3 for i in slownik:
4 print(i,slownik[i])
C:\Program Files (x86)\Microsoft Visual Stud
{1: 'Pn', 2: 'Wt', 7: 'N'}
1 Pn
2 Wt
7 N
Press any key to continue . . .
```

Usuniecie elementu ze słownika o danym kluczu: