# Q811 HASHMAP

Hashmap in python, you can use a dict

Dict = {}

>>> d = {'key':'value'}

>>> print(d)

{'key': 'value'}

>>> d['mynewkey'] = 'mynewvalue'

>>> print(d)

{'mynewkey': 'mynewvalue', 'key': 'value'}

SUBSTRING in python

In general, everything before, or starting from and including the first.

>>> x = "Hello World!"

>>> x[2:]

'llo World!'

>>> x[:2]

'He'

>>> x[:-2]

'Hello Worl'

>>> x[-2:]

'd!'

>>> x[2:-2]

'llo Worl'

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