



Dictionary Lesson Objectives Nested Dictionary

like a dictator. 2 overbearing orially adv. [Latin: relation e played eat riaks. TATOR diction /'drkf(a)n/ n. manner cut into Dictionary dictionary /'diksənəri/ n. (p book listing (usu. alphabetica risky, explaining the words of a lan giving corresponding words in es) diefined language. 2 reference book o Dictionary

Collection of ordered items

By index

I {}

Collection of unordered items

By key-value pairs

{}

{ key 1 : value 1,

key 2: value 2,

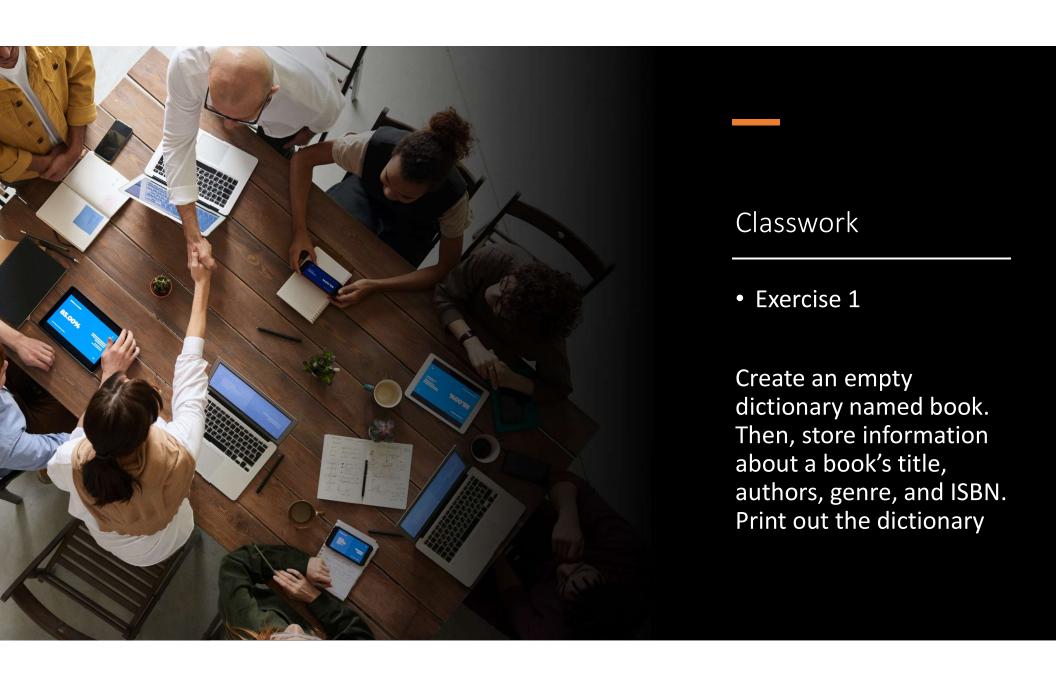
. . .

key n: value n}

```
product = { "prod id" : 12365401,
          "brand": "Browny",
          "qty": 97,
          "price": 15.99}
spanish_123 = { 1 : "uno", 2 : "dos", 3 : "tres" }
student = { "name" : "Big Bird",
          "M number": 1234567,
          "courses": ["iti100", "iti470"] }
```

```
item = product [ "prod id" ] # 12365401
qty = product [ "qty" ] # 97
avail = product [ "stock" ] # KeyError
```

print ("Not in stock")



.get(key, default)

.pop (key, default)

```
states = { "MD" : "Maryland", "VA" : "Virginia" }

states.pop( "MD" )

# "Maryland"; states → {"VA" : "Virginia" }

states.pop( "NY" )

# KeyError

states.pop( "NY", "Not Available" )

# "Not Available"
```

.popitem ()

```
states = { "MD" : "Maryland", "VA" : "Virginia" }

states.popitem()
# ( "VA", "Virginia" ) ; states → {"MD", "Maryland"}

states.popitem()
# ( "MD", "Maryland" ) ; states → {}

states.popitem()
# KeyError
```

.clear()

```
states = { "MD" : "Maryland", "VA" : "Virginia" }
states.clear()
# { }
```

del object

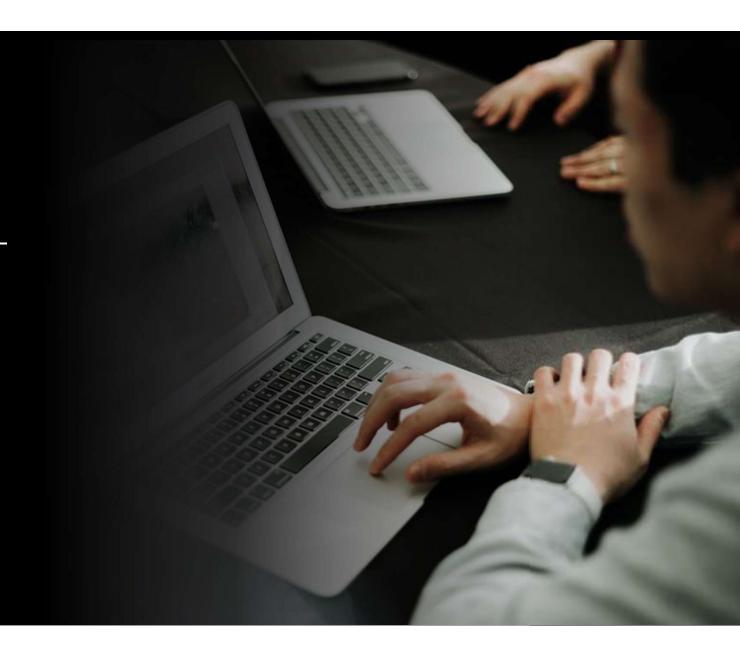
Built-In Function

Classwork

Exercise 2

Create a dictionary to store information about a book: title, author, genre and ISBN.

Then, print out each item in the dictionary using a loop. (You can use your code from exercise 1)

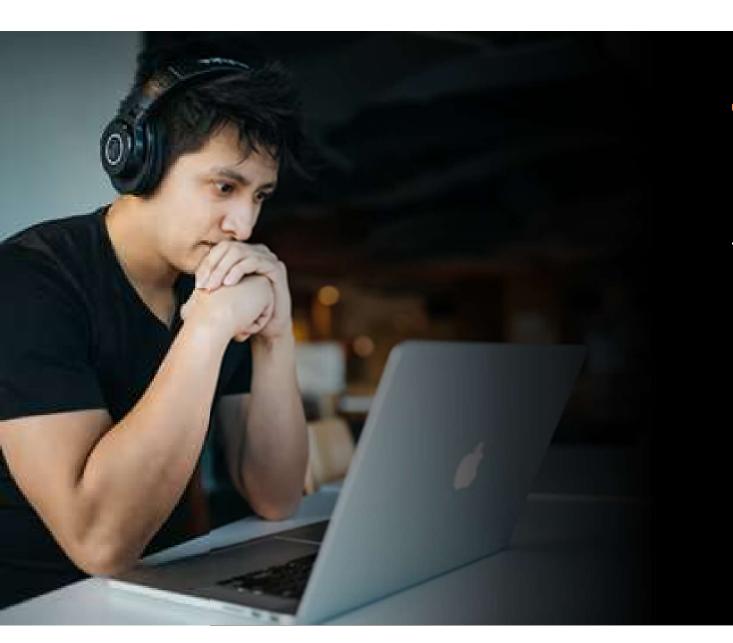


.keys ()

```
for item in product.keys():
    print( item ) # prod id
    # brand
    # qty
    # price
```

.values ()

.items ()



Classwork

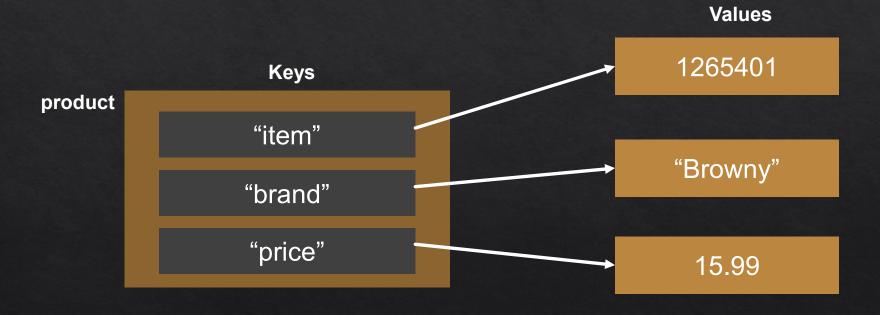
• Exercise 3

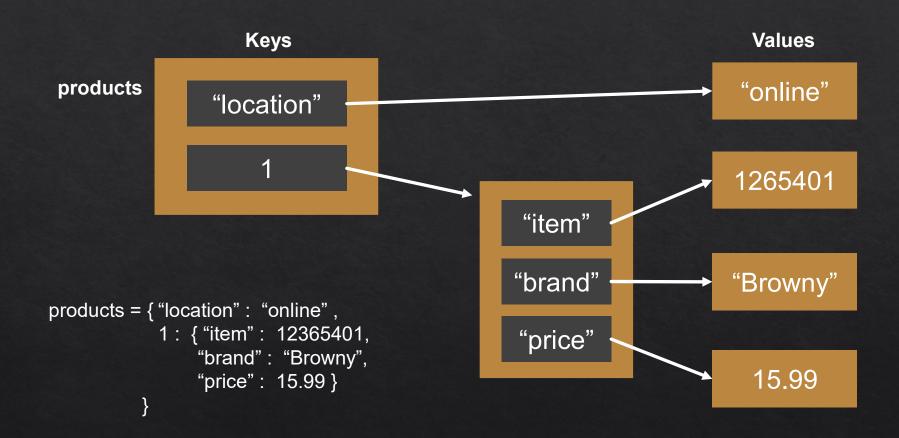
Create a program to ask several people for their name and their favorite drink. Then, summarize your finding.

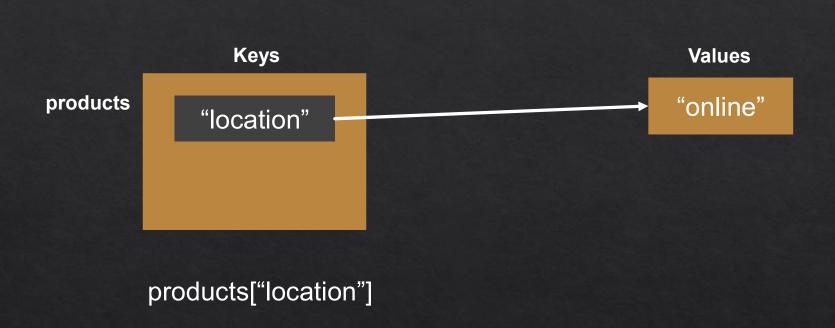
Fix errors and run to show it works.

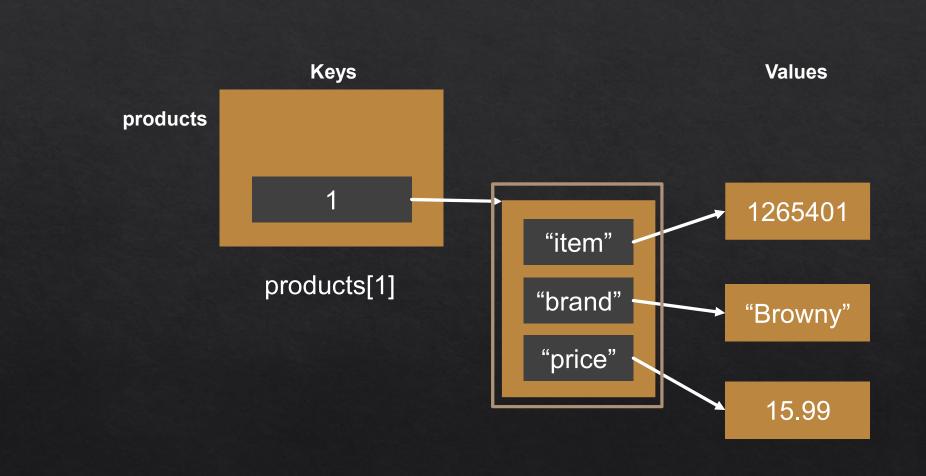


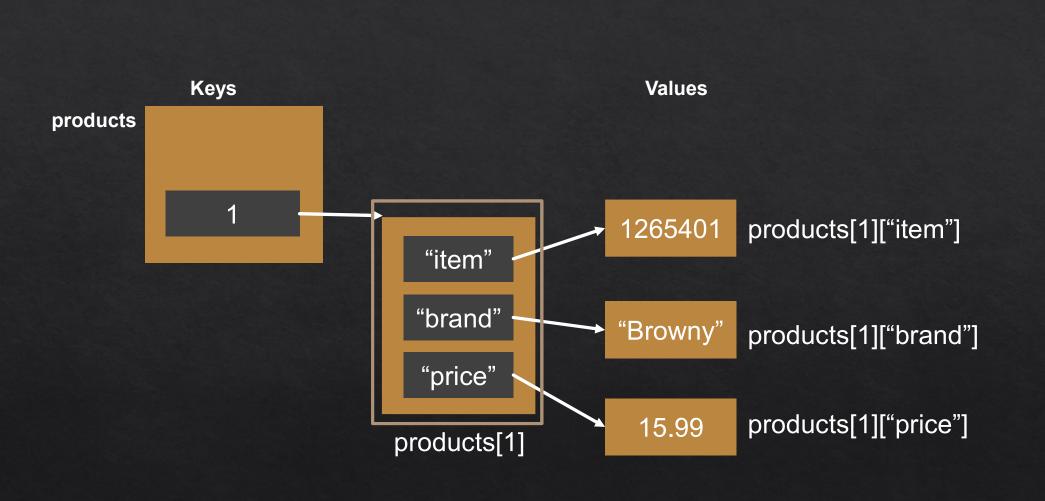
Break Take a 5-minute break

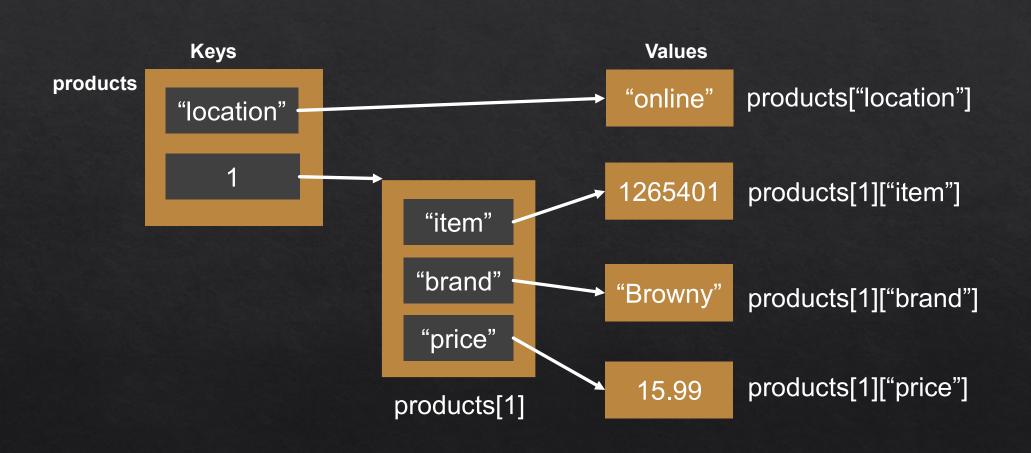
dictatorial diktoralization like a dictator. 2 overbearing orially adv. [Latin: relation e played eat riaks. TATOR] diction /'drkf(a)n/ n. manner cut into Nested Dictionary dictionary /'diksənəri/ n. (p book listing (usu. alphabetica risky, explaining the words of a lan giving corresponding words in es) diefined language. 2 reference book o 











Homework

- Download Exercises from Canvas
- Change the file name to include your last name
- Submit your work to Canvas
- Watch recordings for review

