

Lecture 09 - Dictionaries

Youtube

Dictionaries - <https://youtu.be/cxXLXf5tG9g>

Visualize Dictionaries - <https://youtu.be/IVxpcDKj2tY>

Accessing Dictionaries - <https://youtu.be/iclvRmC2CJ0>

Syntax Review - <https://youtu.be/iclvRmC2CJ0>

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[Dictionaries](#)

[Visualize Dictionaries](#)

[Accessing Dictionaries](#)

[Syntax Review](#)

PodCast

1015 PodCast Financial Fraud - https://youtu.be/EL0_m14j2k0

1015 PodCast Making-Money-With-Computers - <https://youtu.be/T4lhWlscX3o>

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[1015 PodCast Financial Fraud](#)

[1015 PodCast Making-Money-With-Computers](#)

First how you do this when you don't have a dictionary

Without python dictionaries:

```
want = 'tom'
key = [ 'bob', 'jane', 'tom' ]
val = [ 18, 19, 16 ]

age = -1
ii = 0
while ( ii < len(key) ):
    if key[ii] == want:
        age = val[ii]
    ii = ii + 1

if age > 0:
```

```
    print ( f"Found: {want} age {age}" )  
else:  
    print ( f"not found {want}" )
```

Using a dictionary:

```
want = 'tom'  
di = { 'bob':18, 'jane':19, 'tom':16 }  
if want in di:  
    age = di[want]  
    print ( f"Found: {want} age {age}" )  
else:  
    print ( f"not found {want}" )
```