

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>

From Amazon S3 - for download (same as youtube videos)

[Dictionaries](#)

[Visualize Dictionaries](#)

[Accessing Dictionaries](#)

[Syntax Review](#)

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}" )
```