

Topic- Dictionaries

Beginner

Videos

1. Introduction to python dictionaries
<https://www.youtube.com/watch?v=daefaLgNkw0>
2. Creating a dictionary
<https://www.youtube.com/watch?v=6AoolXn0f3A>
3. Adding elements to a dictionary
https://www.youtube.com/watch?v=_2frEcAXZuc
4. Accessing elements of a dictionary
<https://www.youtube.com/watch?v=VEKe3fw-Xz4>

Reading Material

1. Introduction to python dictionaries
<https://www.geeksforgeeks.org/python-dictionary/>
2. Creating a dictionary- <https://www.freecodecamp.org/news/create-a-dictionary-in-python-python-dict-methods/>
3. Adding elements to a dictionary
https://www.w3schools.com/python/gloss_python_dictionary_add_item.asp
4. Accessing elements of a dictionary
https://www.w3schools.com/python/python_dictionaries_access.asp

Intermediate

Videos

1. Nested Dictionaries-

https://www.youtube.com/watch?v=xD_URwm5Pug

2. Accessing elements of a nested Dictionary

<https://www.youtube.com/watch?v=oQfNYqz8pLs>

3. Clear dictionary method

<https://www.youtube.com/watch?v=0ZRI4oBINUc>

4. Copy dictionary method

<https://www.youtube.com/watch?v=FUD5v--2p8A>

5. Get dictionary method

<https://www.youtube.com/watch?v=umHTzNmrIU>

6. Pop dictionary method

<https://www.youtube.com/watch?v=DNELByzCvWM>

Reading Material

1. Nested Dictionaries

https://www.w3schools.com/python/python_dictionaries_access.asp

2. Accessing elements of a nested dictionary

<https://www.programiz.com/python-programming/nested-dictionary>

3. Clear dictionary method

<https://www.geeksforgeeks.org/python-dictionary-clear/>

4. Copy dictionary method

<https://www.programiz.com/python-programming/methods/dictionary/copy>

5. Get dictionary method

https://www.w3schools.com/python/ref_dictionary_get.asp

6. Pop dictionary method

https://www.w3schools.com/python/ref_dictionary_pop.asp

Advanced

Videos

1. Update dictionary method
<https://www.youtube.com/watch?v=13YcsnDZw4U>
2. Nested dictionaries with for loops
<https://www.youtube.com/watch?v=ygRINYibL74>
3. Merge two dictionaries
<https://www.youtube.com/watch?v=YI2Tf1Kio1E>
4. Check if a key exists in a dictionary
<https://www.youtube.com/watch?v=hqLC9E-HDcl>

Reading Material

1. Update dictionary method
<https://www.programiz.com/python-programming/methods/dictionary/update>
2. Nested dictionaries with for loops- <https://www.geeksforgeeks.org/python-how-to-iterate-over-nested-dictionary/>
3. Merge two dictionaries
<https://www.geeksforgeeks.org/python-merging-two-dictionaries/>
4. Check if a key exists in a dictionary- <https://www.educative.io/answers/how-to-check-if-a-key-exists-in-a-python-dictionary>

Practice questions

1. <https://www.w3resource.com/python-exercises/dictionary/>
2. <https://www.geeksforgeeks.org/python-dictionary-exercise/>
3. <https://pynative.com/python-dictionary-exercise-with-solutions/>