I I IIION ONII I ETO

Python Dictionaries and Loops



In this week's Python snippet post, we're taking a look at dictionaries and some methods we can use for iterating over dictionaries in different ways.

First let's take a look at what happens when we iterate over a dictionary normally:

```
example_dict = {
    "name": "James",
    "age": 25,
    "nationality": "British"
}

for x in example_dict:
    print(x)

# name
# age
# nationality
```

By default, we just get the keys when we iterate over a dictionary.

That might be what we want, but what if we want the values instead?

Well, we can use the values method.

```
for value in example_dict.values():
    print(value)

# James
# 25
# British
```

We just call values on the dictionary we're iterating over, and we get the value for each key instead.

So can we get both at once? Absolutely!

Instead of using the values method, we can call the items method. This will give us a tuple for each key in the dictionary containing the key and the value in that order.

Generally, we're going to want to destructure this tuple into individual values like we see below:

```
for key, value in example_dict.items():
    print(key, value)

# name James
# age 25
# nationality British
```

This isn't necessary, however, and we could just as easily assign the tuple to a loop variable instead of splitting it up into its component parts.

Wrapping up

That's it for this short snippet post on iterating over dictionaries. The tools we talked about in this post are an absolutely vital part of

I hope you learnt something new, and if you're interested in upping your Python game, check out out Complete Python Course! You might also want to sign up to our mailing list to get access to discount codes for all our courses!



Phil Best

I'm a freelance developer, mostly working in web development. I also create course content for Teclado!

Read More

Python Snippets

Assignment expressions in Python	\rightarrow
Python's namedtuples	\rightarrow
Python's divmod Function	\rightarrow

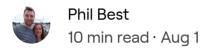
→ See all 26 posts



GUI DEVELOPMENT

Tkinter's Pack Geometry Manager

In this post we dive into GUI development and take an important step towards understanding Tkinter's pack geometry manager.



Like what you see? Enter your e-mail to hear when new posts come out!

E-mail*

Name*

Receive our newsletter and get notified about new posts we publish on the site, as well as occasional special offers.

Share this

rne reciado Biog © ZUZZ

Privacy Policy