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**Topic 31 - Looping Through Values in Python Dictionaries**

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**What**

In Python, you can loop through a dictionary to retrieve each of its **values**. Using the .values() method, you can print or manipulate each value stored within the dictionary without manually specifying each key.

**Why**

When dictionaries store large amounts of information, looping through the values provides a fast and efficient way to access or display all values without needing to know each key. This method is particularly useful in dynamic programs where dictionary content may vary, and accessing individual keys would be impractical.

**How**

To loop through values in a dictionary, use a for loop along with the .values() method. This method retrieves each dictionary value in sequence, letting you process or display them as needed.

Example:

python

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customer\_29876 = {

"first name": "David",

"last name": "Elliott",

"address": "4803 Wellesley St."

}

# Loop through and print each value

for each\_value in customer\_29876.values():

print(each\_value)

In this code:

* **Line 4**: The for loop iterates through all values in customer\_29876.
* **Line 5**: print(each\_value) outputs each value, resulting in:

yaml

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David

Elliott

4803 Wellesley St.

**Summary**

Looping through dictionary values with .values() is a concise way to access each stored piece of data. This method saves time and simplifies code, especially with large dictionaries, by letting you retrieve values directly without referring to each key individually.

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