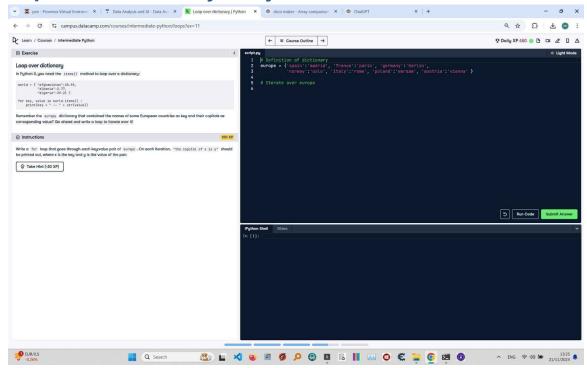
Loop Over Dictionary in Python



Question:

In Python 3, you just need the `items()` method to loop over a dictionary:

```
```python
world = {"afghanistan":30.55, "albania":2.77, "algeria":39.21}
for key, value in world.items():
 print(key + " -- " + str(value))
```

Remember the `europe` dictionary that contained the names of some European countries as keys and their capitals as corresponding values? Go ahead and write a loop to iterate over it!

## \*\*Instructions:\*\*

Write a `for` loop that goes through each key-value pair of `europe`. On each iteration, `the capital of x is y` should be printed out, where `x` is the key and `y` is the value of the pair.

\*\*Answer:\*\*

Here is the Python code that solves the problem:

## \*\*Explanation:\*\*

- 1. \*\*Initialization\*\*: The `europe` dictionary is defined, containing country names as keys and their capitals as values.
- 2. \*\*Using items()\*\*: The `items()` method returns key-value pairs of the dictionary.
- 3. \*\*For loop\*\*: The `for` loop iterates over the key-value pairs of the dictionary.
- 4. \*\*Print statement\*\*: The `print()` function uses an f-string to format the output as `the capital of x is y`, where `x` is the key (country) and `y` is the value (capital).
- 5. \*\*Execution\*\*: The loop runs once for each key-value pair in the dictionary, printing the formatted string for each country and its capital.