Dictionaries in python

Python Dictionaries

Dictionaries are ordered collection of data items. They store multiple items in a single variable. Dictionary items are key value pairs that are separated by commas and enclosed within curly brackets {}.

```python
dictionary={148:"Munawar",150:"Syed hussain ",149:"Zulfiqar Ali",1:"Akbar"}
print(dictionary)
print(dictionary[148])
```

Accessing Dictionary items:

1. Accessing single items:

Value in a dictionary can be accessed using keys. We can dictionary values by mentioning keys either is square brackets or by using get method.

Example:

```python
information={1:"Sajid",2:"Kamal",3:"Qadir",4:"Munawar",5:"Abid"}
print(information[1])
#accessing using get method
print(information.get(4))
print(information.get(3))
```

2. Accessing multiple values:

We can print all the values in the dictionary using values () method.

Example:

```python
name1={"Munawar","ali","kamal",148}
name2={"Ali","Munawar","kamal",1}
intersection_name=name1.intersection(name2)
print(intersection_name)
```

3. Accessing keys:

We can print all the keys in the dictionary using key () method.

Example:

```
#key method
print(information.keys())
for key in information.keys():
    print(f"The corresponding values of the {key} is {information[key]}")
```

4. Accessing key value pairs:

We can print all the key value pairs in the dictionary using items () method.

Example:

```
#key value pairs
new_info={1:"Kamal",2:"Munawar",3:"Jawahir",4:"Sohail"}
print(new_info.items())
for key,value in new_info.items():
    print(f"The corresponding values of the {key} is {new_info[key]}")
```

Source Code

```
# dictionary={148:"Munawar",150:"Syed hussain ",149:"Zulfiqar Ali",1:"Akbar"}
# print(dictionary)
# print(dictionary[148])

information={1:"Sajid",2:"Kamal",3:"Qadir",4:"Munawar",5:"Abid"}
print(information[1])
#accessing using get method
# print(information.get(4))
# print(information.get(3))
#key method
# print(information.keys())
# for key in information.keys():
#     print(f"The corresponding values of the {key} is {information[key]}")

#accessing multiple values
# print(information.values())
```

```python
#key value pairs
new_info={1:"Kamal",2:"Munawar",3:"Jawahir",4:"Sohail"}
print(new_info.items())
for key,value in new_info.items():
    print(f"The corresponding values of the {key} is {new_info[key]}")
```

Thank You