#### **Dictionary Creation**

```
python
chai_types = {"Masala": "Spicy", "Ginger": "Zesty", "Green": "Mild"}
```

- A dictionary called chai\_types is created.
- It maps types of chai (tea) to their flavors:
  - "Masala" → "Spicy"
  - "Ginger" → "Zesty"
  - "Green" → "Mild"

#### 2. Viewing the Dictionary

python	<b>С</b> Сору	* Edit
chai_types		

• This displays the contents of the dictionary:

```
python Copy * Edit {'Masala': 'Spicy', 'Ginger': 'Zesty', 'Green': 'Mild'}
```

# 3. Accessing a Value Using a Key

```
python

Chai_types["Masala"]
```

• Accesses the value associated with the key "Masala" which is "Spicy".

#### 4. Using .get() to Access a Value

python	Сору	* Edit
<pre>chai_types.get("Green")</pre>		,
• .get() safely retrieves the value for "Green", which is "Mild".		

### 5. Accessing a Nonexistent Key with .get()

```
python

Copy **D Edit

chai_types.get("Greeney")
```

- Returns None because "Greeney" is not a key in the dictionary.
- .get() is safer than direct access (e.g., chai\_types["Greeney"]) because it doesn't raise an error if the key is missing.

### 6. Accessing a Nonexistent Key Directly

python	С Сору	* Edit
<pre>chai_types["Masalaaa"]</pre>		

• This raises a KeyError because "Masalaaa" does not exist in the dictionary.

vbnet		Сору	* Edit
KeyError:	'Masalaaa'		

### 7. Modifying a Dictionary Value

chai\_types["Green"] = "Fresh"

• Changes the value for the key "Green" from "Mild" to "Fresh".

## 8. Viewing the Updated Dictionary

python	<b>П</b> Сору	* Edit
chai_types		

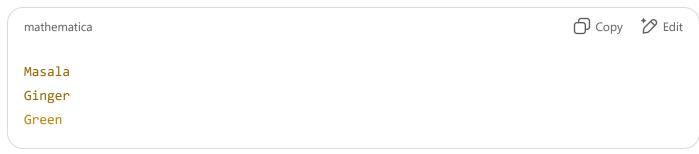
Now it shows:

```
python
{'Masala': 'Spicy', 'Ginger': 'Zesty', 'Green': 'Fresh'}
```

# 9. Looping Through Dictionary Keys

python	🗇 Сору	* Edit
for chai in chai_types: <pre>print(chai)</pre>		

• Loops through the keys of the dictionary and prints each one:



#### 10. Looping Through Keys and Values



• Prints each key along with its corresponding value:

```
mathematica

Masala Spicy
Ginger Zesty
Green Fresh
```

# Summary

You learned how to:

- Create and print dictionaries.
- Access and modify dictionary values.
- Use .get() for safe lookups.
- Handle missing keys.
- Loop through dictionaries.