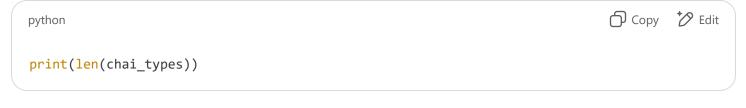
Count items in the dictionary



- Shows how many types of chai are in the dictionary.
- Output: 3 (Masala, Ginger, Green)

2. Add a new chai type

- Adds "Earl Grey" with the flavor "Citrus" to the dictionary.
- New dictionary:

```
python

{'Masala': 'Spicy', 'Ginger': 'Zesty', 'Green': 'Fresh', 'Earl Grey': 'Citrus'}
```

3. Remove a chai type using pop()

```
python

Chai_types.pop("Ginger")
```

- Removes the key "Ginger" and returns its value ('Zesty').
- Dictionary now:

```
python Copy Copy Edit
```

```
{'Masala': 'Spicy', 'Green': 'Fresh', 'Earl Grey': 'Citrus'}
```

4. Remove the last added item using popitem()

- Removes the last item added ("Earl Grey": "Citrus").
- Dictionary now:

```
python Copy Copy Edit {'Masala': 'Spicy', 'Green': 'Fresh'}
```

5. Delete an item using del

```
python

del chai_types["Green"]
```

- Deletes the "Green" chai.
- Dictionary now:

6. Make a copy of the dictionary

python Ocopy Defit

```
chai_types_copy = chai_types.copy()
```

- Creates a **copy** of the dictionary.
- Now both chai_types and chai_types_copy have:

```
python
{'Masala': 'Spicy'}
```

7. Add a new chai to the original dictionary

```
python

chai_types["Black"] = "Mild"

chai_types["Black"] = "Mild"
```

- Adds a new chai to only chai_types, not to the copy.
- Now:
 - chai_types → {'Masala': 'Spicy', 'Black': 'Mild'}
 - chai_types_copy → {'Masala': 'Spicy'} (unchanged)

3 Summary Table

Operation	What it does
<pre>dict[key] = value</pre>	Add or update an item
pop(key)	Remove and return item by key
<pre>popitem()</pre>	Remove and return the last item
<pre>del dict[key]</pre>	Delete an item by key
<pre>dict.copy()</pre>	Make a separate copy

Operation	What it does
len(dict)	Get number of items in the dictionary