What's in the Code?

You're working with a **list** in Python named `tea_varities`.

🔷 Step 1: Creating the List

python Copy Edit

```python
tea_varities = ["Black", "Green", "Oolong", "White"]
```

You made a list of tea types.

🔷 Step 2: Printing the Entire List

python Copy Edit

```python
print(tea_varities)
```

Output:

css Copy Edit

```
['Black', 'Green', 'Oolong', 'White']
```

🔷 Step 3: Accessing Individual Items by Index

python Copy Edit

```python
print(tea_varities[0]) # First element print(tea_varities[1]) # Second element
print(tea_varities[-1]) # Last element
```

- `tea_varities[0]` → `'Black'`
- `tea_varities[1]` → `'Green'`
- `tea_varities[-1]` → `'White'` (Negative index means count from end)

🔷 Step 4: Slicing the List

Syntax: `list[start:end]`

Returns items from **start index (inclusive)** up to **end index (exclusive)**

```python
print(tea_varities[0:3])
```

- Gets index 0, 1, and 2 → `['Black', 'Green', 'Oolong']`

```python
print(tea_varities[1:2])
```

- Gets only index 1 → `['Green']`

```python
print(tea_varities[1:3])
```

- Gets index 1 and 2 → `['Green', 'Oolong']`

```python
print(tea_varities[:3])
```

- From start to index 2 → `['Black', 'Green', 'Oolong']`

```python
print(tea_varities[2:])
```

- From index 2 to end → `['Oolong', 'White']`

✅ Summary

Expression	Meaning	Output
`tea_varities[0]`	First item	`'Black'`
`tea_varities[-1]`	Last item	`'White'`
`tea_varities[0:3]`	From index 0 to 2	`['Black', 'Green', 'Oolong']`
`tea_varities[1:3]`	From index 1 to 2	`['Green', 'Oolong']`
`tea_varities[:3]`	From start to index 2	`['Black', 'Green', 'Oolong']`
`tea_varities[2:]`	From index 2 to end	`['Oolong', 'White']`