#### **Current List Status**

```
python

tea_varities = ['Black', 'Green', 'Masala', 'White']
```

This is your current list. It contains 4 types of tea.

### Slicing at the Same Index

This means: "Get items from index 1 up to, but not including, index 1." Since the start and end are the same, it gives an **empty list**.

### ♦ Inserting Items at a Slice

This means: insert "test" and "test" at index 1 without replacing anything.

✓ Now the list becomes:

```
python

['Black', 'test', 'Green', 'Masala', 'White']
```

### Viewing and Replacing Slices

View:

```
Copy Bdit
  python
  tea_varities[1:2] # ['test']
Only the element at index 1 (first "test").
Replace:
                                                                             Copy Dedit
  python
  tea_varities[1:3] = []
This removes the items at index 1 and 2 (both "test"), leaving:
                                                                             Copy Dedit
  python
  ['Black', 'Green', 'Masala', 'White']
▼ Error: for Loop Mistakes
You typed:
                                                                             Copy Bdit
  python
  for tea in tea_varities
X Error:
   SyntaxError: expected ':'
You forgot the colon (:) at the end of the for line.
Then you fixed the colon:
                                                                             Copy Dedit
  python
  for tea in tea_varities:
```

But you didn't write any code inside the loop, which leads to:

#### **X** IndentationError:

"expected an indented block"

# ✓ Correct Way to Loop

python	☐ Copy 🍎 Edit
<pre>for tea in tea_varities: print(tea)</pre>	
This will print each item in the list, one by one:	
mathematica	Copy Bdit
Black	
Green	
Green Masala	

## Summary

Action	Code Example	Result/Note
Slice with same start and end	tea_varities[1:1]	[] (empty)
Insert using slice	<pre>tea_varities[1:1] = ["test", "test"]</pre>	Adds elements at index 1
Remove items using slice	tea_varities[1:3] = []	Deletes two elements from index 1 & 2
For loop syntax	for item in list:	Must have colon (:)
For loop body	Indented block below the for line	Needed to avoid IndentationError