

String Indexing

You wrote:

```
python
```

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```
chai = "Lemon Chai" first_char = chai[0]
```

- `chai[0]` → returns `'L'`, the first character.
- `chai[-1]` → returns `'i'`, the last character.

String Slicing

You wrote:

```
python
```

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```
chai = "masala chai" slice_chai = chai[0:6]
```

- Returns `'masala'` — starts from index 0 (inclusive) and goes to 6 (exclusive).

Full breakdown:

- `string[start:stop:step]`
- Examples from your output:
 - `num_list[:]` → entire string: `'0123456789'`
 - `num_list[3:]` → from index 3 to end: `'3456789'`
 - `num_list[:7]` → from start to index 6: `'0123456'`
 - `num_list[0:7:2]` → every 2nd char: `'0246'`
 - `num_list[0:7:3]` → every 3rd char: `'036'`

You've Practiced:

- Indexing with positive and negative indices.
- Slicing with optional `start`, `stop`, and `step`.
- Applying slicing on both strings and numeric character strings.

