

# Study-Notes

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### List - index

In Python, list indices are used to access elements in a list directly by their position, similar to pointers in some other programming languages. Lists are zero-indexed, meaning the first element is accessed with index `0`, the second with `1`, and so on. Here's a detailed explanation with examples:

### Explanation:

- **Zero-Indexed:** The first element in a list is at index `0`.
- **Negative Indices:** Python also supports negative indexing to access elements from the end of the list. For example, `-1` refers to the last element.

### Example

```
data = [ 10 , 20 , 30 , 40 , 50 ]  
print(data[0])
```