Rendering lists in React

* Transforming lists in javascript

List is a collection of elements which translated to javascript terms represents an array.
These arrays can contain any type of data
Most common data is object.

map() method:-
- A way to ignore everything we do not want displayed on screen and extract only the data that needs.
- The map() method is transformation operation
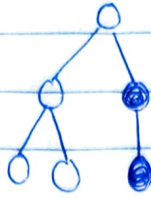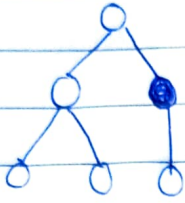- The map() method is useful for handling third party data.
- The map() method returns a new array

* Render a simple list component.
tag   `<li>`   `</li>`

* Keys

When computing a change, react applies diffing algorithm to calculate the minimum number of changes that are necessary to perform an update in tree of components.

state change → compute diff → Re-render

Keys are identifiers that help react to determine which items have changed or added or are removed.

- It also instruct how to treat a specific element when an update occurs and whether its internal state should be preserved or not.

- The general rule of thumb with key is to use a stable identifier that is unique among its sibling.

- This allows react to reuse as many elements from the list _____ as possible avoiding unnecessary recreations, especially when their content is exactly the same and only thing that has changed is their position in list.