Recursion

A function is recursive if it calls itself and reaches a stop condition.

Interview point

```
function recursion() {
    if(condition) {
        recursion();
    }
    else {
        // stop calling recursion()
    }
}
```

```
recursion();
```

As of definition the recursion function will be called until the condition is satisfied

example 👉

Example

```
function sum(n) {
  if (n <= 1) {
    return n;
  }
  return n + sum(n - 1);
}
```

Here sum function is called recursively until the condition n<=1 is true

why we need Recursion?

Recursion is made for solving problems that can be broken down into smaller, repetitive problems