

1. PRINCIPLES OF JAVASCRIPT

• Thread of execution & Memory.

When JS code runs it:

- Goes through the code line-by-line and runs/executes each line: this is the thread of execution.

- Saves data (strings, array...) so we can use that data later: this is the memory.

• Functions & Execution context.

Function: Code we save ('define') functions & can use (call / invoke / execute / run) later with the function's name & ()

Execution context: Created to run the code of a function has two parts: - thread of execution
- memory (local memory)

Example:

```
const num = 3;  
function multiplyBy2(inputNumber) {  
  const result = inputNumber * 2;  
  return result;  
}  
  
const output = multiplyBy2(num);  
const newOutput = multiplyBy2(10);
```

can't change

function call (command)

