**How javascript work ?**

**Everything in Javascript happens inside an Execution Context.**

You can assume this execution context to be a big box or a container in which whole javascript code is executed.

.Think of the execution context as an box which have two sections

1. **Memory**

In memory component all variables and functions are stored in key:value pairs . eg a:10 , func :{}

Memory component is also known as “ **variable environment”**

So, its like an environment in which all these variables and functions are stored as key & value pairs

1. **Code**

In code component , code is executed online at a time

Code component is also known as **“Thread of Execution”**

**Javascript is a synchronous single-threaded** **language**

Single threaded means Javascript can execute “one command at a time” and **synchronous single-thread** means javascript can execute “one command at a time & in a specific order .”

i.e it can only go to the next line ones the currently line has been finish executing