# Node.js Essential training

Example of Apache Steak and Chops (dummy). Every waiter is a single new thread. This works in single threaded manner and until one task is not completed, the thread is blocked. – Blocking concept.

NodeJS is single threaded. The thread here works asynchronously and does multi task.

Shed Node (dummy restaurant) restaurant’s waiter can welcome a new table, take order, deliver order to the table asynchronously.

***The concept of non-blocking even driven I/O.***

The console object is part of the global object.

console.log(“Hello”) is same as global.console.log(“Hello”).

The ***require function*** can be used to load external modules like we have ***import/export classes*** option in Angular (TypeScript).

The path module us shipped with NodeJS. Example: const path = require(“path”)

We can use argument variables with ***process. argv***. It is an array.

Run the globalProcess2 file with the following command:

***node .\globalProcess2.js --user Wajahat --greeting Hello***

## Std Output and Input

The questions.js file here in this folder: **wjahatsyed-mern-stack-javascript-developer-path\2-nodejs-essential-training\excercise-files\folder-1-working\q-n-a-std-input-out**

is an example of *an asynchronous NodeJS module.*

The above example is also using event listeners on *data* and *exit*.

The data and exit events are the events of the process. The event listeners help us work asynchronously with NodeJS.

## NodeJS core modules

Core modules in NodeJS are those which comes with the node installation.

Files inside the core-modules are examples for using core modules.