

- // Function Statements //

```
function sayHi() {  
  console.log("HI");  
}
```

sayHi()

--- // Function Expression ---

```
var sayHi = function () {  
  console.log("Hi");  
}
```

sayHi()

* var fs = require('fs')

var x = fs.readFileSync(<filename>, 'utf-8').

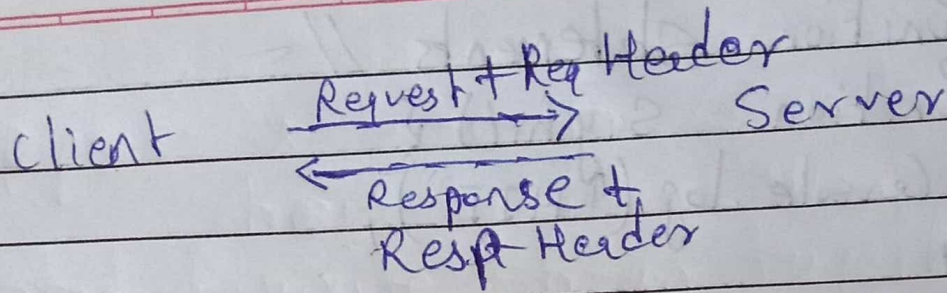
eg:- fs.readFileSync("readme", 'utf8').

- use to read file content Synchronously

fs.writeFileSync(<filename>, <data>);

eg:- fs.writeFileS

- use to write file



★ Protocol - Protocol is used to communicate between client & server, It is set of communication which both sides agree

★ Socket - Socket is a channel it is used to transfer data between them.

★ Response Header :-

"Context-Type" \Rightarrow type of content is given in this
 status \Rightarrow It was a error or Successful.

★ Buffer is a temporary storage spot for chunk of data that is transferred from one place to another.

It transfers small chunks of data at a time.

★ Stream :- Stream is a flow of data. In node.js data will flow like chunks & those chunks will store in buffer & finally that buffer will share the data.

Creating stream in node.js to transfer data will increase the performance.

There are 3 types :-

- writable stream :- allow to write a stream.
- Readable stream :- allow node.js to read data from stream.
- Duplex :- Can read & write to stream.

★ Pipes :- The data is converted in small chunks.

★ pipe - is used to connect multiple stream together. we can read & write stream together for transfer of data from one to another file.

★ Routing :- It is way to handle clients request

★ Express :- Express in node js is a web application framework that provides broad features for building web & mobile application. Used for building single page, multipage web application

Command - `npm install express`

★ nodemon :- It is a tool that helps develop Node.js based application by automatically restarting the node application when we make changes.