MODULE AND EXPORTS

Stuff.js file:

```
//stuff.js
var counter=function(arr){
  return "This array has " + arr.length + " Elements"
}
var adder=function(a,b){
  return `The sum of two numbers is ${a + b}`;
}
module.exports.counter=counter;
module.exports.adder=adder;
```

Export pattern 2:

```
//stuff.js
var counter=function(arr){
  return "This array has " + arr.length + " Elements"
}
var adder=function(a,b){
  return `The sum of two numbers is ${a + b}`;
}
module.exports={
      counter:counter,
      adder:adder,
}
```

app.js file:

```
//app.js
var stuff=require("./stuff")

console.log(stuff.counter(["Siddharth","Rahul","Himanshu"]))
console.log(stuff.adder(5,5))
```

FUNCTION EXPRESSIONS

Function Expression:

```
function sayHi(name){
  console.log("Hi " + name)
}
sayHi("siddharth");

var sayBye=function(name){
  console.log("Bye " + name)
}
sayBye("siddharth")
```

Function as parameters:

```
function callfunction(fun){
    fun()
}

function sayHi(){
  console.log("Hi")
}
callfunction(sayHi)
```

READ AND WRITE FILES

Synchronous Methods:

```
const http = require('http');
const fs=require("fs");

//syntax fs.readFileSync(path[, options])
var readFile=fs.readFileSync("./readme.txt",'utf8');

//syntax  fs.writeFileSync(file, data[, options])
var writeFile=fs.writeFileSync("./writeme.txt",readFile);
```

Synchronous Methods:

```
const http = require('http');
const fs=require("fs");

//syntax fs.readFileSync(path[, options])
var readFile=fs.readFileSync("./readme.txt",'utf8');

//syntax  fs.writeFileSync(file, data[, options])
var writeFile=fs.writeFileSync("./writeme.txt",readFile);
```

readFileMethods:

```
const http = require('http');
const fs=require("fs");

//syntax fs.readFile(path[, options], callback)
fs.readFile('readme.txt','utf8',function(err,data){
  console.log(data)
})
```

writeFileMethods:

```
const http = require('http');
const fs=require("fs");

//syntax fs.writeFile(file, data[, options], callback)
fs.readFile('readme.txt','utf8',function(err,data){
  fs.writeFile('write.txt',data)
})
```