

```
In [1]: var d = new Date()

Date.now() // 1 jan 1970 00:00. => milliseconds

//1 sec = 1000

//mili -3
//micro -6
//nano -9
//pico
//femto
//ato


//kilo => 3 => 1024 => 1000
//mega => 6  => 1024 * 1024
//giga => 10
//terra =>


console.log(d.getDate())
console.log(d.getMonth()) //jan => 0
console.log(d.getYear())


console.log(d.getFullYear())
console.log(d.getHours())
console.log(d.getMinutes())
console.log(d.getSeconds())
console.log(d.getMilliseconds())


console.log(d.getTimezoneOffset())


//YYYY-mm-dd HH:ii:ss millis


// UTC
// GMT


// IST => indian standard


// GMT+5:30 => GMT: 00


// GMT:+4:00


// UTC - 04:30
// GMT :5:30 (Asia/Kolkata)
//jet lack
```

16
5
121
2021
9
39
30
281
-330

```
In [2]: //y2k => year 2000

// 051194


// 100
```

```
In [3]: // LMT
// GMT
// UTC
// ST


var d = new Date()
var saved = d.toLocaleString('en-US', {timeZone:"GMT"})


var dl = new Date(saved, )
dl.toLocaleString('en-US', {timezone:"asia/kolkata"})
console.log(dl.toTimeString())


04:09:30 GMT+0530 (India Standard Time)
```

```
In [11]: var momentjs = require('moment'); // require
console.log(momentjs)


internal/modules/cjs/loader.js:834
  throw err;
  ^

Error: Cannot find module 'moment'
Require stack:
- /Users/boby/[eval]
   at Function.Module._resolveFilename (internal/modules/cjs/loader.js:831:15)
   at Function.Module._load (internal/modules/cjs/loader.js:687:27)
   at Module.require (internal/modules/cjs/loader.js:903:19)
   at require (internal/modules/cjs/helpers.js:74:18)
   at evalmachine.<anonymous>:1:16
   at Script.runInThisContext (vm.js:120:18)
   at Object.runInThisContext (vm.js:309:38)
   at run ([eval]:1054:15)
   at onRunRequest ([eval]:888:18)
   at onMessage ([eval]:848:13)
```

```
In [ ]: //calculate time difference of two date-time (yyyy-mm-dd hh:ii) string

//show given date in a formatted time

function getTimeStr(){

}

less than 1 min => just now
less than 1 hr => # mins ago
less than 24 hr => # hrs ago
less than 48 hrs => yesterday

//(CURRENT_TIMESTAMP)=> server UTC
//
a week
2 weeks ago
3 weeks ago
4 weeks ago
a month ago

date
```