URL module

The URL module splits up a web address into readable parts.

To include the URL module, use the require() method:

Parse an address with the url.parse() method, and it will return a URL object with each part of the address as properties:

Example:1

```javascript
var url= require('url');
```

```javascript
var adrs='http://localhost:8080/home.html?year=2018&&month=feb'

var q=url.parse(adrs,true);

console.log(q.search);
```

output

```
?year=2018&&month=feb
```

Example:2

```javascript
var url = require('url');
var adr = 'http://localhost:8080/default.htm?year=2017&month=february';
var q = url.parse(adr, true);

console.log(q.host);
console.log(q.pathname);
console.log(q.search);

var qdata = q.query;
console.log(qdata.month);
```

output:
```
localhost:8080
/default.htm
?year=2017&month=february
february
```

What is NPM?

NPM is a package manager for Node.js packages, or modules if you like.

www.npmjs.com hosts thousands of free packages to download and use.

The NPM program is installed on your computer when you install Node.js

```javascript
var http=require('http');

var uc=require('upper-case');

http.createServer((req,res)=>{
res.write(uc.upperCase('Hello world'));
res.end();
}).listen(8080)
```

OUTPUT
        HELLO WORLD

NODEJS EMAIL

The Nodemailer Module

The Nodemailer module makes it easy to send emails from your computer.

```javascript
var nodemailer= require('nodemailer');

var transporter=nodemailer.createTransport({
service :'gmail',
auth:{
user:'sai@gmail.com',
pass:'1234567'
}
})
var options={
from :'sai@gmail.com',
to:'tuplescale@gmail.com',
subject:'Daily update on learning',
text:'thats easy to use'
}
transporter.sendMail(options,(err,info)=>{
if(err){
```

```javascript
console.log(err);
}
else{
console.log('Email is sent'+info.response)
}
})
```

by using api

```javascript
var http =require('http');
var fs =require('fs');

http.createServer((req,res)=>{
fs.readFile('data.json',(err,data)=>{
res.write(data);
res.end();
console.log('API is running')
})
}).listen(8080);
```