Lowdb

Lowdb is a small local JSON database powered by Lodash, supports Node, Electron and the browser
(See github.com/typicode/lowdb).

■ **Installation**
$ npm install lowdb --save

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```
const low = require('lowdb')
const FileSync =
require('lowdb/adapters/FileSync')

const adapter = new FileSync('db.json')
const db = low(adapter)

db.defaults({ data: [] })
.write()

db.get('data')
.push({ nama: 'Andi', usia: 24})
.write()
```

*Run this code, then it will create a **db.json** with Andi data*

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```
const low = require('lowdb')
const FileSync =
require('lowdb/adapters/FileSync')

const adapter = new FileSync('db.json')
const db = low(adapter)

db.defaults({ data: [] })
.write()

var jumlah = db.get('data')
.size()
.value()
console.log(jumlah)
```

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```javascript
const low = require('lowdb')
const FileSync =
require('lowdb/adapters/FileSync')

const adapter = new FileSync('db.json')
const db = low(adapter)

db.defaults({ data: [] })
.write()

var all = db.get('data')
.value()
console.log(all)
```

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```
const low = require('lowdb')
const FileSync =
require('lowdb/adapters/FileSync')

const adapter = new FileSync('db.json')
const db = low(adapter)

db.defaults({ data: [] })
.write()

var lima = db.get('data')
.take(5)
.value()
console.log(lima)
```

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```
const low = require('lowdb')
const FileSync =
require('lowdb/adapters/FileSync')

const adapter = new FileSync('db.json')
const db = low(adapter)

db.defaults({ data: [] })
.write()

var ambilData = db.get('karyawan')
.find({nama:'Budi'}).value()
console.log(ambilData)
```

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```
// hapus data ->
db.get('karyawan')
.remove({kota:'Jakarta'})
.write()

// edit data
db.get('karyawan')
.find({ nama:'Andi'})
.assign({ nama:'Al' })
.write()
```

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```javascript
const express = require('express');
const app = express();

const low = require('lowdb');
const FileSync = require('lowdb/adapters/FileSync');
const adapter = new FileSync('db.json');
const db = low(adapter);

db.defaults({ data: [] }).write()

app.get('/', (req,res)=>{
    db.get('data').push({nama:'Budi',usia:23}).write();
    res.send('Halo Dunia!');
});

app.listen(3000, ()=>{
console.log('Server @port 3000!');
});
```

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```javascript
const express = require('express');
const app = express();

const bodyParser = require('body-parser');

const low = require('lowdb')
const FileSync = require('lowdb/adapters/FileSync')
const adapter = new FileSync('lowdb_tes.json')
const db = low(adapter)
db.defaults({ data: [] }).write()

app.use(bodyParser.json());
```

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```javascript
app.get('/',(req,res)=>{
  var y = db.get('data').value();
  res.send(y);
})

app.post('/',(req,res)=>{
  console.log(req.body);
  db.get('data').push({
    nama: req.body.nama,
    usia: req.body.usia}).write()
  res.send({
    status: 'POST berhasil',
    nama: req.body.nama,
    usia: req.body.usia
  });
})

app.listen(3210, function(){
  console.log('Run @port 3210!');
});
```
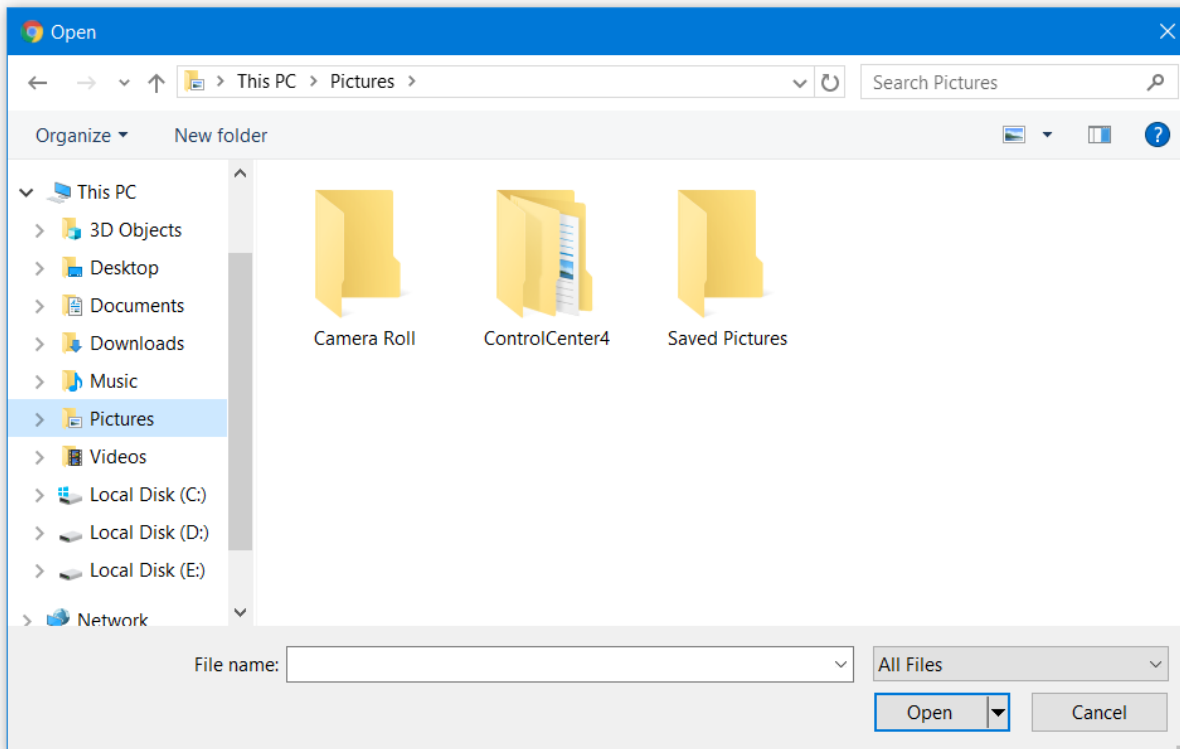
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Tes Upload File

Choose File | jquery-3.3.1.min.js   UPLOAD

express

express-fileupload

Simple Express middleware for uploading files. (See npmjs.com/package/express-fileupload).

- **Installation**
  $ npm install express-fileupload --save

- **To use this package, let's create:**
  a folder (to store our uploaded files),
  a *HTML file* (front-end), and
  a *JS file* (back-end)!

```html
<h1>Tes Upload File</h1>

<form method="post"
enctype="multipart/form-data"
action="/">

    <input type="file" name="filename">

    <input type="submit" value="UPLOAD">

</form>
```

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```
var express = require('express');

var app = express();

var upload = require('express-fileupload');

app.use(upload())

app.get("/", function(req,res){
    res.sendFile(__dirname+"/file-upload.html")
})
```

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```javascript
app.post("/", function(req,res){
    if(req.files){
        console.log(req.files)
        var file = req.files.filename;
        var filename = file.name;
        file.mv("./file-upload/"+filename, function(err){
            if(err){
                console.log(err);
                res.send('<h1>Upload gagal!</h1>');
            }
            else{
                res.send('<h1>Upload sukses!</h1>');
            }
        })
    }
})

app.listen(3210, function(){
    console.log('Run @port 3210!');
});
```
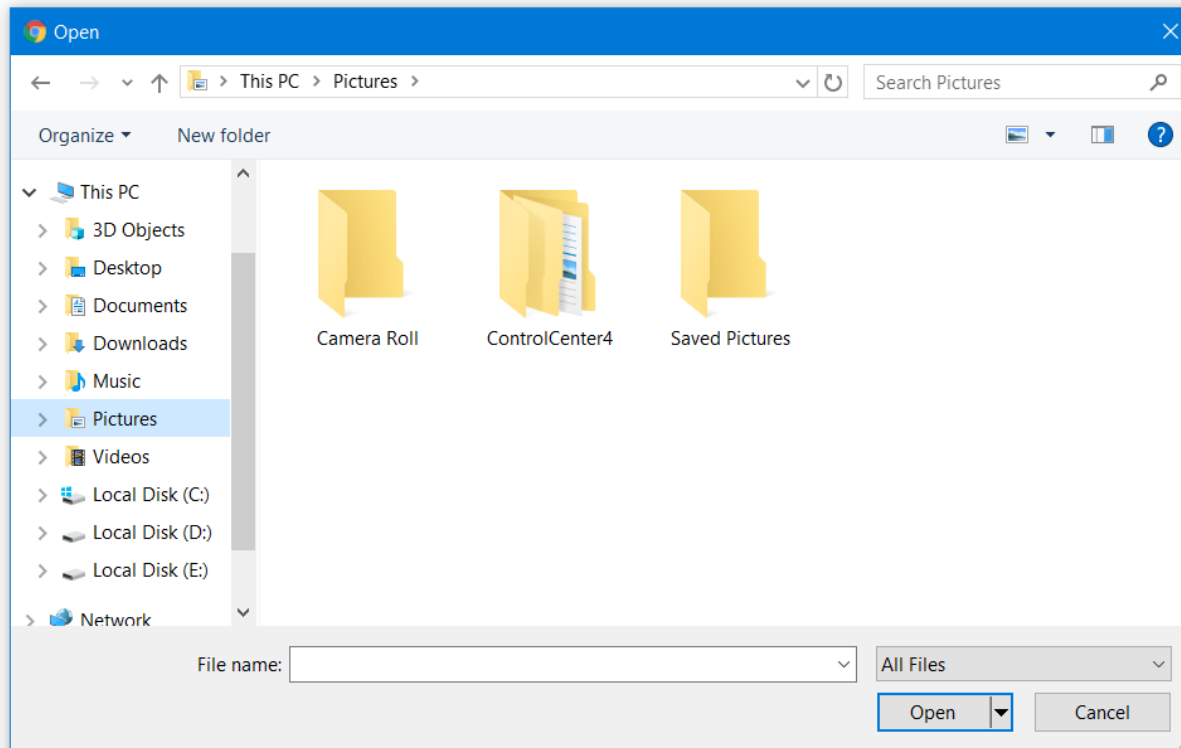
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Run file-upload.js & open localhost:3210!