

JavaScript: Promises

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

function readFilePromised(filename) {
  return new Promise(function (resolve, reject) {
    fs.readFile(filename, (err, data) => {
      if (err) {
        reject(err);
      }
      resolve(data.toString());
    });
  });
}

function writeFilePromised(filename, data) {
  return new Promise(function (resolve, reject) {
    fs.writeFile(filename, data, (err, data) => {
      if (err) {
        reject(err);
      }
      resolve();
    });
  });
}

const promise = readFilePromised('main.js');

promise.then((res) => {
  console.log(res);
}).then((err) => {
  console.log(err);
});

function react(request, response) {
  const pagename = 'test';
  const promise = readFilePromised(pagename + '.txt');
  promise.then((res) => {
    response.end(res);
    console.log('Delivered page: ' + pagename);
  }).then((err) => {
    response.status = 404;
    response.end();
    console.log(err);
  });
}
```

From:

<https://wiki.chrpaul.de/> - **ChrisWiki**

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Last update: **2019/02/25 23:33**

