Command Line Interaction



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Class Overview

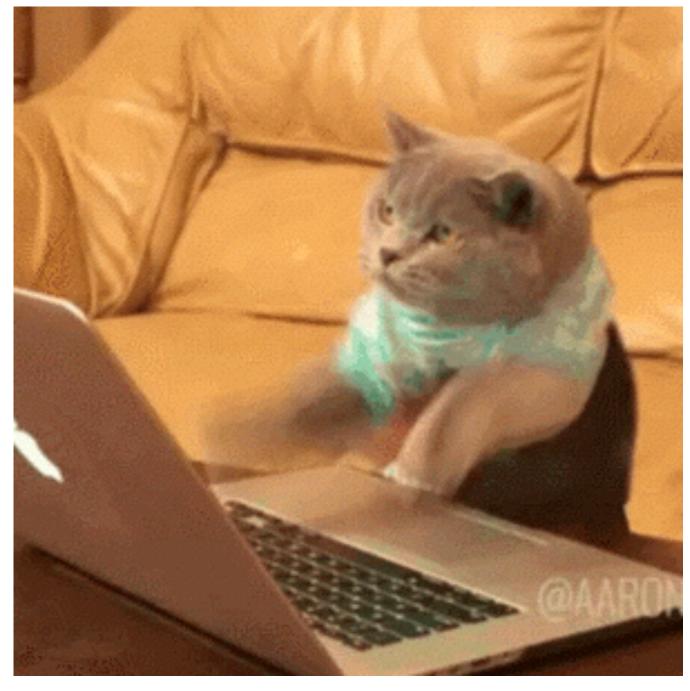
readline

inquirer

Promises

homework solution

Interacting with the Command Line



readline

Node module to interact with input/output in a line-by-line pattern

```
// simple readline program
var readline = require('readline');
var rl = readline.createInterface({
  input: process.stdin,
  output: process.stdout
});
rl.write('This is a test.\n');
rl.close();
```

readline API

readline.createInterface (options)

Creates an Interface object that can read/write to the input/output. Can be used with process.stdin/process.stdout or others.

rl.write (text)

Writes a string of text to the Interface output.

rl.close()

Closes a readline Interface. If not called, it will keep the process alive.

```
// readline question program
var readline = require('readline');
var rl = readline.createInterface({
  input: process.stdin,
  output: process.stdout
});
rl.question('What is your name?\n', function (name) {
 console.log('Hello ' + name);
 rl.close();
```

inquirer

Node module for easier question-answer in the command line

```
var inquirer = require('inquirer');
var question = {
  name: 'name',
  message: 'What is your name?'
inquirer.prompt([question]).then(function (res) {
  console.log('Hello ' + res.name);
});
```

inquirer Question object

```
type: 'input',
name: 'key',
message: 'What is a question object?',
default: 'nothing',
choices: ['several', 'options'],
validate: function (input) { return true; },
when: function (answers) { if (answers) return true; }
```



Promise

JavaScript object that is used to capture and act on the resolution of an asynchronous operation.

```
// simple Promise usage
var littleP = new Promise(...);
littleP.then(function() {
  // do something after
}).catch(function () {
  // do something on error
});
```

```
// simple Promise creation
var theRealP = new Promise(function (resolve, reject) {
  setTimeout(function () {
    resolve('Its over');
 }, 500);
  if (2 === 3)
    reject();
```