

# NodeJS:

# Roadmap 2024

Save It !!



# Introduction

```
graph TD; Introduction[Introduction] --> Nodejs[Nodejs]; Introduction --> NPM[NPM]; Nodejs --> WhatIsNodejs[What is nodejs?]; Nodejs --> WhyUseNodejs[Why use nodejs?]; Nodejs --> NodejsVsBrowser[Nodejs vs Browser]; Nodejs --> NodejsHistory[Nodejs History]; NPM --> InstallingPackages[Installing packages]; NPM --> UpdatingPackages[Updating packages]; NPM --> CreatingPackages[Creating packages]; NPM --> RunningScripts[Running scripts];
```

Nodejs

NPM

What is nodejs?

Installing packages

Why use nodejs?

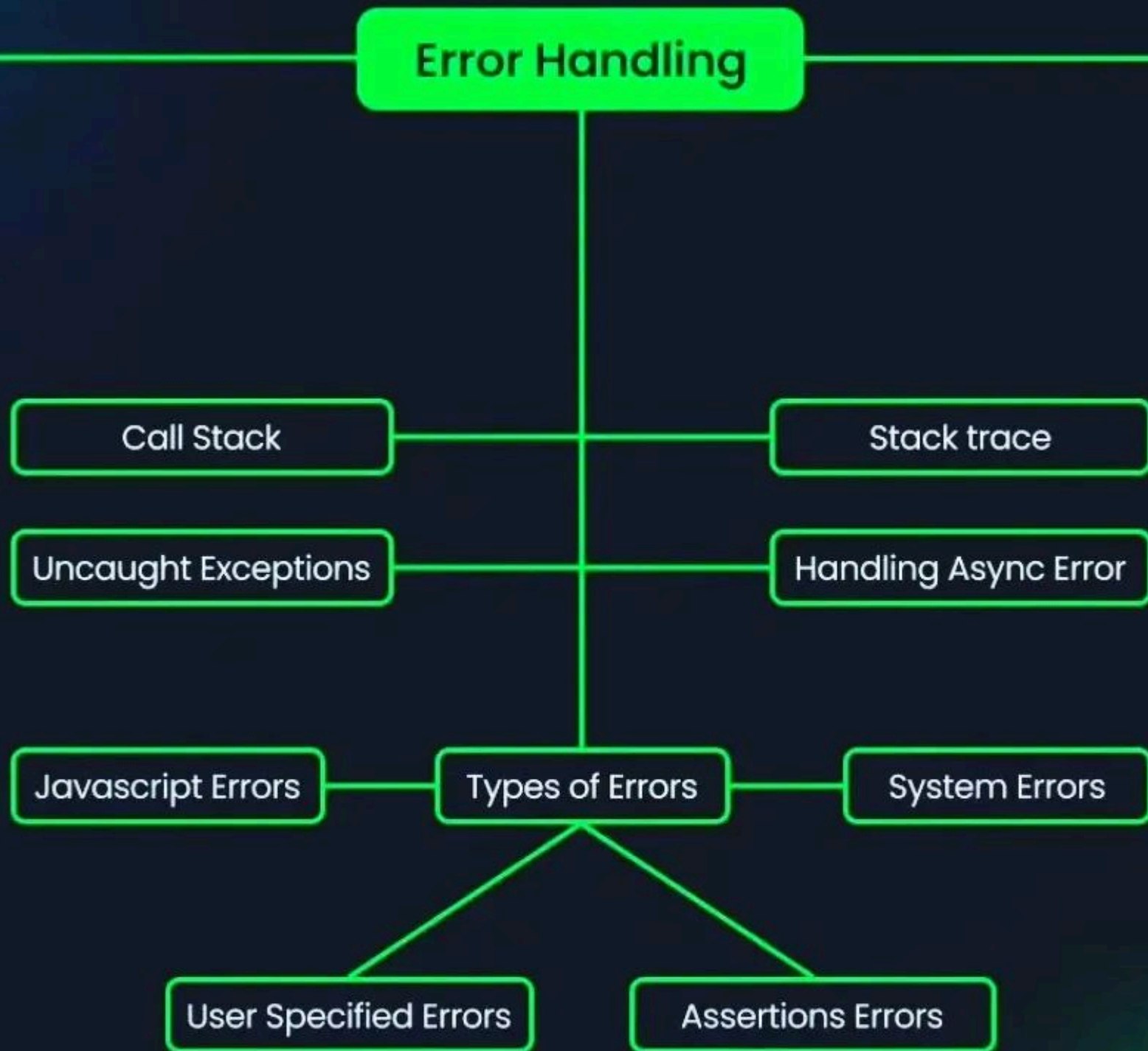
Updating packages

Nodejs vs Browser

Creating packages

Nodejs History

Running scripts



# Async programming



# Working with files

fs modules

path module

process.cwd()

\_\_dirname

\_\_filename

opensource pckgs

1. glob

2. globby

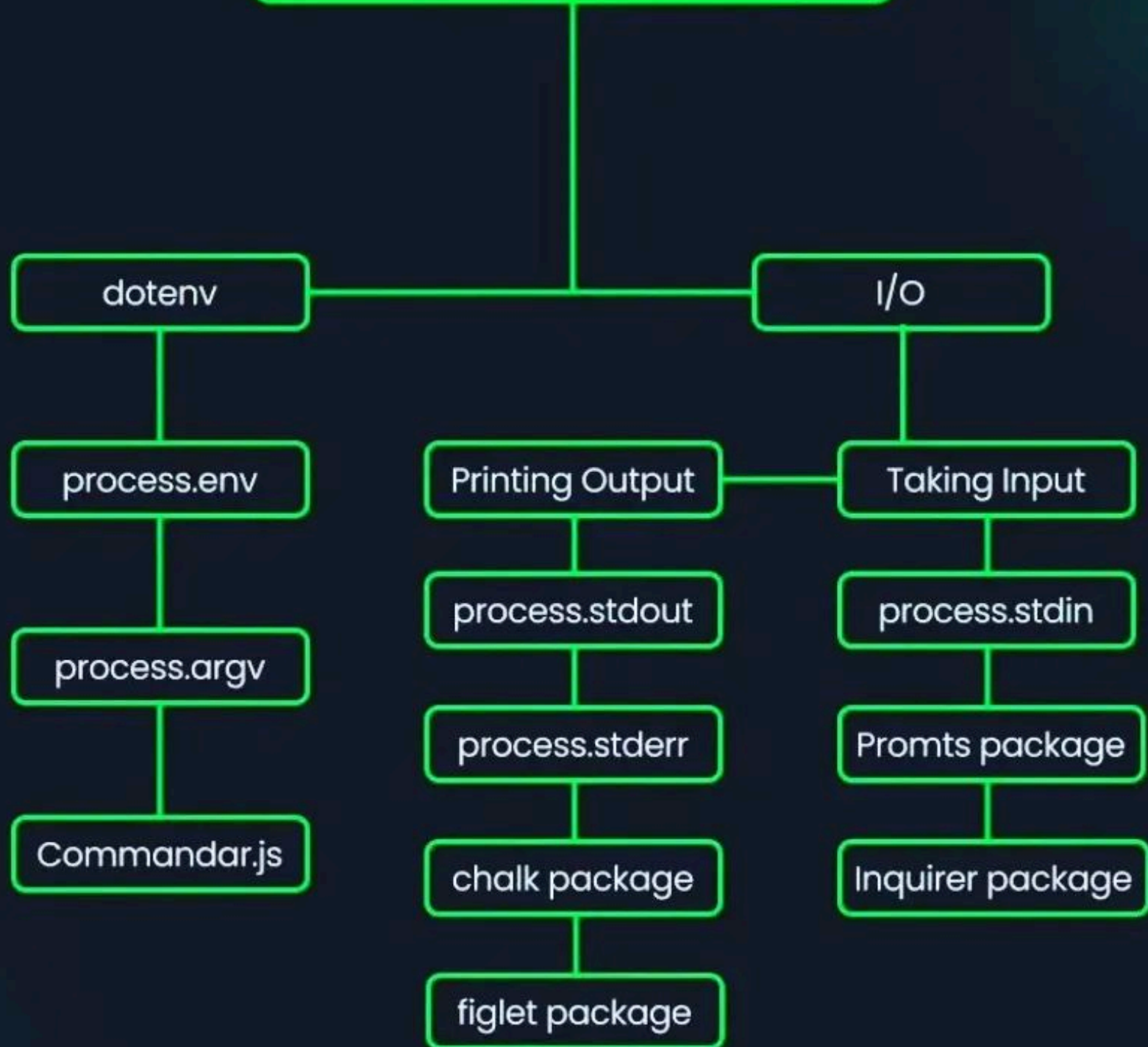
3. fs-extra

4. chokidar

# Working with Databases



# Command Line App





## Other IMP topics

- **Testing**
  - Jest, Mocha, Cypress
- **Logging**
  - Morgan, Winston
- **Modules**
  - Creating custom modules, commonJS, ESM
- **Template Engines**
  - ejs, pug, marko
- **Keeping Application Running**
  - nodemon package
- **Common built-in Modules**
  - fs, os, net, path, url, events,
  - http, console, assert, process, cluster
  - pref\_hooks, crypto, Buffer
- **More Debugging**
  - Memory Leaks, Garbage collections
  - node --inspects



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