File System, Path, Streams

NodeJS with MySQL

Streams Module

Streams = Flow of Data (Source – Destination)

Streams object helps to read data from source and write it to a destination. (Input/Output operation)

4 types of Streams in NodeJS

1. Readable – only for read operations
2. Writable – only for write operations
3. Duplex – For both read & write operations
4. Transform – Similar to duplex but the write depends on read. (output depends on input)

All types of Streams are Event Emitter Instance and throws several events at different times.

Commonly used events

* Data – Data is available to read
* End – No more data available to read
* Error – When there is a error reading /writing the data
* Finish – When all data is flushed to underlying system

File System Module (FS)

It has so many methods, wrappers around POSIX functions.

Path module

This module helps to handle and transform paths

Normalize()

Join()

Resolve()

Isabsolute()

Relative()

Dirname()

Basename()

Parse()

Format()

Interaction with MySQL using Node JS

MySQL – Database Server

Client & Server concepts

Database server running locally.

Localhost:3306

Username : root

Password :root

Npm install mysql2