## NodeJS Basics

## Downloading and installing NodeJS

## Create a simple node application

## The NodeJS Terminal

## NodeJS package manager NPM

## Creating a package for managing your application

## Node Modules

## What is a module

## Require and module exports

## Using core modules

## File System

## Node apps and managing a file system

## Creating and deleting files and directories

## HTTP and HTTPs

## Making a simple server

## When to use HTTP and HTTPs

## Server ports and listening

## HTTP requests and responses

## Request and response headers and body

## Creating a response to incoming requests

## Building a simple HTTP server with static files

## Express

## What is the express framework

## How it differs to using HTTP and other core modules

## Creating an express application

## Express Server

## Making an HTTP internal server

## Attaching express to an external server

## The role of semantic requests

## USE, GET, POST, PUT, DELETE, etc.

## Advance Nodejs

## Socket programming

## Real-time communication with node

## Accessing nodejs with database

## Creating chat server with nodejs

## RESTful APIs

## What does RESTful mean?

## Manipulating data via a route

## Typical semantic requests for routing an API

## Persisting data through JSON

## The role of database technology