Node/Express

Demonstrate the use of Node Package Manager
1. Demonstrate the use of Node Package Manage (NPM). (A)
2. Demonstrate "path" core module in NodeJS. (A)
3. Demonstrate "fs" core module in NodeJS. (A)
4. Demonstrate "child_process" core module in NodeJS (A)
5. Explore minimum 3 other core module from the documentation of NodeJS (B)
6. Explore minimum 8 other core module from the documentation of NodeJS (C)

Create basic webapp using http core module
1. Create a hello world webapp using "http" core module in NodeJS. (A)
2. Create a webapp with 5 pages like about, contact etc.. using "http" core module in NodeJS. (B)
3. Create a webapp in NodeJS which reads ƒiles like about.txt, contact.txt and display it using http core module (C)

Explore path, os, events, url, util, crypto core modules

Create basic webapp using expressJS
1. Create a hello world webapp using ExpressJS. (A)
2. Create a webapp with 5 pages like about, contact etc.. using ExpressJS. (B)
3. Create a webapp in NodeJS which reads ƒles like about.txt, contact.txt and display it using express (C)

Setup MongoDB and middleware in ExpressJS
1. Demonstrate the use of middleware in Express. (A)
2. Demonstrate the use of static middleware in Express. (A)
3. Install MongoDB and MongoDBCompass (A)
4. Setup documents in MongoDB. (A)

Create a MongoDB collections
1. Install Mongoose library using NPM. (A)
2. Demonstrate the use mongoose functions. (A)
3. Create a Database using MongoDBCompass for faculty. (A)
4. Create a Database using MongoDBCompass for student. (B)
5. Create a Database using MongoDBCompass for product. (C)

Create CRUD API using Express, MongoDB and NodeJS
1. Create a restful CRUD API using NodeJS, Express and MongoDB for faculty. (A)
2. Create a restful CRUD API using NodeJS, Express and MongoDB for student. (B)
3. Create a restful CRUD API using NodeJS, Express and MongoDB for product. (C)