**NODE**

Modules :-

* File containing classes, functions and objects
* Can export functions, classes, objects using modules
* module.exports or exports
* import modules using require(“modulename/path”);

3 Types of Modules

* Built-in modules (Core Module)

Eg : http, fs, events. Child-process, path etc.

* User defined modules
  + Created by user
* Third party modules available on npm repository
  + Download using the npm tool
  + Create by other users and uploaded to npm repo
  + Use npm install <packagename> to download it

Packages :-

* Collection of modules
* Package.json file
  + Author, version, git repo, scripts, package name, etc
* Package name and folder name is same (most cases)

HTTP:-

* It is the module used to create Web applications.
* http.createServer() creates a server that listens for client request.
* Server listens to the client request using a listener method.
* HttpRequestMessage and HttpResponseMessage
* 1024>host number<65536

MIME:-

* Major / minor type

-MAJOR

- Text

=> html = text/html

=>xml = text/xml

=>javascript = text/javascript

=>css = text/css

- Image

=>png = image/png

=>jpg = image/jpg

App.use((req,res,next)=>{ //next is used for passing data to next middleware

if(req.xyz == 10){

next();

}

else

res.end();

});

//Developer Dependencies(only required is dev machine)

Npm install –save-dev nodemon

//Production dependencies

Npm install –save express body-parser cookie-parser express-session