**Creating Simple Server/Serverside App**

var http = require("http");

var server = http.createServer(engine);

server .listen(8080, [optional callback]);

function engine(request, response)

{

response.writeHead([status code], [Object]); //HTTP Header

<p>Response body</p>

response.end();

}

**Example 01:**

var http = require("http");

var testFile = require("./testFile.js");

var port = 3000;

http.createServer(function(request, response){

response.writeHead(200, {"content-type":"text/html"});

response.write(testFile.name);

response.write('<p>This is another text</p>');

testFile.myFun();

response.end(“Request url is ”+request.url);

}).listen(port);

console.log("Server is running on :" + port);

In the above require(“http”), “http” is a gobal/node module so we don’t need to use “./” this is because it’s only for local/own module and same directory.

In the testFile like this:

module.exports = {

name : "Md. Bablu Mia",

myFun : function(){

console.log("This is my fun");

}

};

In the above, console.log() is terminal console not development console.

**Example 02:** Server creation using Express JS insetead of http module

//var express = require('express'); //returns a method

//var app = express();

var app = require('express')();

var port = 80;

app.get('/', function(request, response){ //response data

response.send('This is home page');

});

app.get('/about', function(request, response){ //response data

response.send('This is about us page');

});

app.listen(port, function(){

console.log("Server is listening on : " + port);

});

**Example** 03:

**JS**: app.js

var express = require('express'); //returns a method

var app = express();

var path = require('path');

var port = 80;

app.use('/appAssets', express.static(\_\_dirname + '/assets')); //accessable files/dir

app.get('/', function(request, response){ //Home page

response.sendFile('index.html', {root: path.join(\_\_dirname, './allPages')});

});

app.listen(port, function(){

console.log("Server is listening on : " + port);

});

**html** : allpages/index.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Home</title>

<link rel="stylesheet" href="../appAssets/style.css">

</head>

<body>

<div class="container bg-container">

<h2>This is home page</h2>

</div>

</body>

</html>

**css** : assets/style.css

\*{

margin: 0;

padding: 0;

}

.container{

width: 960px;

margin: 0 auto;

}

.bg-container{

background: #ddd;

}

**Example** 04: Automatically any file load by regex

var express = require('express'); //returns a method

var app = express();

var path = require('path');

var fs = require('fs');

var port = 80;

app.use('/appAssets', express.static(\_\_dirname + '/assets')); //accessable files/dir for the app

app.get(/^(.+)$/, function(request, response){

try{

if(request.params[0]=='/')

{

response.sendFile('index.html', {root: path.join(\_\_dirname, './allPages')});

}else if (fs.statSync(path.join(\_\_dirname, './allPages/', request.params[0]+'.html')).isFile()) {

response.sendFile(request.params[0]+'.html', {root: path.join(\_\_dirname, './allPages')});

}

}catch(err){

console.log(err);

response.sendFile('404.html',{root: path.join(\_\_dirname, './allPages')});

}

});

app.listen(port, function(){

console.log("Server is listening on : " + port);

});

**Example** 05:

var express = require('express'); //returns a method

var app = express();

var path = require('path');

var fs = require('fs');

var port = 80;

//Accessable files/dir for the app

app.use('/appAssets', express.static(\_\_dirname + '/assets'));

//Home page

app.get('/', function(request, response){

response.sendFile('index.html', {root: path.join(\_\_dirname, './allPages')});

});

//Any page

app.get(/^(.+)$/, function(request, response){

try{

if (fs.statSync(path.join(\_\_dirname, './allPages/', request.params[0]+'.html')).isFile()) {

response.sendFile(request.params[0]+'.html', {root: path.join(\_\_dirname, './allPages')});

}else{

response.sendFile('404.html',{root: path.join(\_\_dirname, './allPages')});

}

}catch(err){

console.log(err);

response.sendFile('404.html',{root: path.join(\_\_dirname, './allPages')});

}

});

//To check server is runnig or not running

app.listen(port, function(){

console.log("Server is listening on : " + port);

});

**Example** 06: Get Method Example

var express = require('express'); //returns a method

var app = express();

var path = require('path');

var fs = require('fs');

var port = 80;

//Accessable files/dir for the app

app.use('/appAssets', express.static(\_\_dirname + '/assets'));

//Home page

app.get('/', function(request, response){

response.end(JSON.stringify(request.query));

});

//To check server is runnig or not running

app.listen(port, function(){

console.log("Server is listening on : " + port);

});

URL: <http://localhost/?name=Bablu>

Output: {"name":"Bablu"}

**To show only name using below code**:

app.get('/', function(request, response){

var name = request.query.name;

response.end(name);

});