**//serverdemo.js**

var http=require('http');

var url=require("url");

//var query=require("querystring");

function process\_request(req,resp){

// var u=req.url;

//console.log("url:"+u);

var p=url.parse(req.url);

switch(p.pathname){

case '/':

resp.writeHead(200,{'Content-Type':'text/html'});

resp.write("<h1>hello world!</h1>");

resp.write("<h2>Welcome to nodejs</h2>");

resp.end("done");

break;

case '/home':

resp.writeHead(200,{'Content-Type':'text/html'});

resp.write("<h1>In home page</h1>");

resp.write("<h2>Welcome to nodejs home</h2>");

resp.end("done");

break;

case '/about':

resp.writeHead(200,{'Content-Type':'text/html'});

resp.write("<h1>In about us</h1>");

resp.write("<h2>Welcome to about us</h2>");

/\*resp.write(p.query);

var q=query.parse(p.query);

console.log(q);

resp.write("Addition :"+(parseInt(q.a)+parseInt(q.b)));\*/

resp.end("done");

break;

default:

resp.writeHead(200,{'Content-Type':'text/html'});

resp.write("<h1>In default case</h1>");

resp.write("<h2>Welcome to about us</h2>");

resp.end("done");

}

console.log(p);

}

var server=http.createServer(process\_request);

server.listen(2000);

console.log("server is running at port 2000");

//Run :

Go to node’s cmd prompt

C:\wamp\www\nodejsdemos\nodejs>node serverdemo.js

server is running at port 2000

Go to Browser:

localhost:/

localhost:/home

localhost:/about

2.filedemo.js

To read data from any type of file….

var fs=require('fs');

fs.readFile("test.txt",function(err,data){

if(err){

console.log(err);

}else{

console.log(data.toString());

}

});

console.log("program end");

console.log("program end123");

//test.txt

This is text1

This is text 2

This is text1

This is text 2

This is text1

This is text 2

//output

C:\wamp\www\nodejsdemos\nodejs>node filedemo.js

program end

program end123

This is text1

This is text 2

This is text1

This is text 2

This is text1

This is text 2

//addition,searching in array ; find factorial [functions]

3.arraydemo.js

var m1=require("./arrayfunctionmodule");

var arr=new Array(12,34,10,45);

var arr1=[234,5,67,89]

console.log(arr.length);

console.log(arr1.length);

var sum=m1.add(arr);

var sum1=m1.add(arr1);

//var flag=false;

console.log("Sum :"+sum);

console.log("Sum of array1:"+sum1);

var pos=m1.search(arr,10);

console.log("value found at :"+pos+" position");

var no=5;

var fact=m1.factorial(no);

console.log("Fact : "+fact);

//arrayfunctionmodule.js

exports.search=function(arr){

for(var i=0;i<arr.length;i++){

if(arr[i]==10){

return i;

}

}

return -1;

}

exports.add=function(arr1){

sum1=0;

for(var i=0;i<arr1.length;i++){

sum1+=arr1[i];

}

return sum1;

}

exports.factorial=function(num){

var ans=1;

for(var i=1;i<=num;i++){

ans=ans\*i;

}

return ans;

}

**//factfunction.js**

exports.factorial=function(num){

var ans=1;

for(var i=1;i<=num;i++){

ans=ans\*i;

}

return ans;

}

**//usefactfunction.js**

var m1=require("./factfunction");

var f=m1.factorial(5);

console.log("factorial : "+f);

/\*

F:\nilniknit@gmail.com\AngularRETEST\fact\_nodeJs>node useFactFunction.js

factorial : 120

F:\nilniknit@gmail.com\AngularRETEST\fact\_nodeJs>\*/

**//getMarks.js**

exports.percentage=function(m1,m2,m3)

{

return (m1+m2+m3)/300\*100;

}

**//calcPer.js**

var m1=require("./getMarks");

var p=m1.percentage(80,70,82);

console.log("Percentage : "+p);

**/\*F:\nilniknit@gmail.com\AngularRETEST\percentage>node calcPer.js**

**Percentage : 77.33333333333333**

**F:\nilniknit@gmail.com\AngularRETEST\percentage>\*/**

**//4.form.html**

**-------------------------------------------------------------------------------------**

<!doctype html>

<html>

<body>

<form action="/calc" method="post">

<input type="text" name="num1" /><br />

<input type="number" name="num2" /><br />

<button type="submit">Save</button>

</form>

</body>

</html>

**//formaddmodule.js**

exports.add=function(a,b)

{

return parseInt(a)+parseInt(b);

}

**//formaddserverdemo.js**

var http=require("http");

var fs=require("fs");

var url=require("url");

var query=require("querystring");

var m1=require("./**formaddmodule**");

function process\_request(req,resp)

{

var u=url.parse(req.url);

resp.writeHead(200,{'Content-Type':'text/html'});

switch(u.pathname){

case '/':

fs.readFile("**form.html**",function(err,data){

if(err){

resp.write('some error');

console.log(err);

}else{

resp.write(data);

resp.end();}

});

break;

case '/calc':

var str="";

req.on('data',function(d)

{

str+=d;});

req.on('end',function()

{

console.log(str);

var ob=query.parse(str);

var sum=m1.add(ob.num1,ob.num2);

resp.end("<h1>Addition : "+sum+"</h1>");

});

}

}

var server=http.createServer(process\_request);

server.listen(3000);

console.log("server is running at port 3000");

--------------------------------------------------------------------------------------------------------------------

**//5.test.txt**

This is text1

This is text 2

This is text1

This is text 2

This is text1

This is text 2

**//FileReadServer.js**

var http=require("http");

var fs=require("fs");

function process\_request(req,resp)

{

fs.readFile("test.txt",function(err,data){

resp.write(data);

resp.end();

});

}

var server=http.createServer(process\_request);

server.listen(3000);

console.log("Server running on port No.3000");

**//6.filesyncdemo.js**

var fs=require('fs');

var data=fs.readFileSync("test.txt");

console.log(data.toString());

console.log("program end");

console.log("program end123");

**//addServer.js**

//addserver.js

var http=require("http");

var fs=require("fs");

var url=require("url");

var query=require("querystring");

var m1=require("./addPermodule");

function process\_request(req,resp)

{

var u=url.parse(req.url);

resp.writeHead(200,{'Content-Type':'text/html'});

switch(u.pathname){

case '/':

fs.readFile("form.html",function(err,data){

if(err){

resp.write('some error');

console.log(err);

}else{

resp.write(data);

resp.end();}

});

break;

case '/calc':

var str="";

req.on('data',function(d)

{

str+=d;});

req.on('end',function()

{

console.log(str);

var ob=query.parse(str);

var sum=m1.add(ob.num1,ob.num2);

resp.end("<h1>Addition : "+sum+"</h1>");

});

case '/per':

var str="";

req.on('data',function(d)

{

str=str+d;

});

req.on('end',function()

{

console.log(str);

var ob=query.parse(str);

var p=m1.percentage(ob.m1,ob.m2,ob.m3);

resp.end("<h1>Percentage : "+p+"</h1>");

});

}

}

var server=http.createServer(process\_request);

server.listen(3000);

console.log("server is running at port 3000");

**//addPerModule.js**

//add

exports.add=function(a,b)

{

return parseInt(a)+parseInt(b);

}

//percentage

exports.percentage=function(m1,m2,m3)

{

var total=parseInt(m1)+parseInt(m2)+parseInt(m3);

var div=total/300;

var pr=div\*100;

return pr;

}

**//form.html**

<html>

<body>

<form action="/per" method="post">

<h3>Enter Marks :</h3><br /><br />

Subject 1:<input type="text" name="m1" /><br /><br />

Subject 2:<input type="text" name="m2" /><br /><br />

Subject 3:<input type="text" name="m3" /><br /><br />

<button type="submit">submit</button>

</form>

</body>

</html>

/\*Microsoft Windows [Version 6.1.7601]

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F:\nilniknit@gmail.com\AngularRETEST\Addition\_Server>node addPerModule.js

F:\nilniknit@gmail.com\AngularRETEST\Addition\_Server>node addServer.js

server is running at port 3000

m1=80&m2=80&m3=80\*/



