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1  var express = require('express');
2  var app = express();
3  app.get('/', function(req, res)
4  {
5      res.set ("content-type","text/plain");
6      res.send("Hello world!");
7  });
8  app.listen(3000);
9
10 //JSON
11 const expr=require("express")
12 const app=expr();
13 student={name:"LJU",age:28}
14 app.get("/",(req,res)=>
15 {
16     res.write(JSON.stringify(student))
17     res.send()
18
19     res.send(student)
20
21     res.json(student)
22 })
23 app.listen(6007)
24
25 //Link Files
26 const express = require ("express")
27 const app = express();
28
29 app.use(express.static(__dirname))
30 app.use(express.static("Public"))
31
32 const path = require ("path");
33 const staticpath = path.join (__dirname, "../Public");
34 app.use(express.static(staticpath))
35
36 (express.static(staticpath,{index:"2.html"})); //other then index.html
37 app.listen (5200)
38
39 //GET Method
40 <html>
41 <body>
42 <form action="/process_get" method="get">
43 First Name: <input type="text" name="first_name"> <br>
44 Last Name: <input type="text" name="last_name">
45 <input type="submit" value="Submit">
46 </form>
47 </body>
48 </html>
49
50 var express = require('express');
51 var app = express();
52 app.use(express.static(__dirname))
53 app.get('/process_get', function (req, res)
54 {
55     response =
56     {
57         fname:req.query.first_name,
58         lname:req.query.last_name
59     };
60     console.log(req.query);
61     res.send(response);
62 })
63 app.listen(8000)
64
65 //POST Method
66 <html>
67 <body>
68 <form action="/process" method="post">
69 First Name: <input type="text" name="first_name"> <br>

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70 Last Name: <input type="text" name="last_name">
71 <input type="submit" value="Submit">
72 </form>
73 </body>
74 </html>
75
76 var express = require('express');
77 var app = express();
78 var path = require("path");
79
80 app.use(express.urlencoded({ extended: false }));
81 var staticp = path.join(__dirname, "../frontend");
82
83 app.use(express.static(staticp,{index: 'p.html'}));
84 app.post('/process', function (req, res)
85 {
86     console.log(req.body.first_name+" " +req.body.last_name)
87     res.send(req.body);
88 })
89 app.listen(7002)
90
91 //Express Middlewere
92 var express = require("express");
93 var app = express();
94
95 const cb=(req,res,next)=>
96 {
97     console.log("Initialized"); res.set("content-type","text/html") res.write(
98         "<strong>First</strong>");
99     next();
100 }
101 const cb1=(req,res,next)=>
102 {
103     res.write("<p>Addition = " + (5+5) + "</p>");
104     next();
105 }
106 app.use("/ee",cb,cb1); app.get("/ee", (req,res)=>
107 {
108     res.write("<h1>Hello Welcome to LJU</h1>");
109     res.send();
110 });
111
112 //cookie
113 var express = require('express');
114 var app = express();
115 var cp = require('cookie-parser');
116
117 app.use(cp());
118 app.get('/cookie', function(req, res)
119 {
120     res.cookie('name', 'Express JS');
121     res.cookie('fname', 'express');
122     res.cookie('lname', 'js');
123     res.cookie('ID', '2',{ expires:new Date(Date.now()+10000)});
124     res.clearCookie('fname');
125
126 const cookies = req.cookies;
127 res.send(cookies);
128 app.listen(3000);
129
130 //session
131 const express=require("express");
132 const app=express();
133 const sess=require("express-session");
134 app.use(sess(
135 {
136     resave:true,
137     saveUninitialized:true,
138     secret:"LJU123"

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138     }
139   });
140   app.get("/", (req, res) =>
141   {
142     if(req.session.page_views)
143     {
144       req.session.page_views++;
145       res.send(`<h1 style="color:blue;"> You have visited page ${req.session.page_views}
146         times <h1>`);
147     }
148     else
149     {
150       req.session.page_views=1;
151       res.send(`<h1 style="color:green;"> Welcome! Thank you for visiting our
152         website!<h1>`);
153     }
154   }); app.listen(8003);
155
156   //PUG
157   html
158     head
159       title My Page
160     body
161       h1 Heading
162       p My paragraph here.
163
164   var expr = require("express");
165   var app = expr();
166   var p = require("path");
167
168   const staticp = p.join(__dirname, "../frontend");
169
170   app.set("view engine", "pug");
171   app.get("/", (req, res) =>
172   {
173     res.render(staticp+"/form");
174   });
175   app.get("/data", (req, res) =>
176   {
177     res.set("content-type", "text/html");
178     res.write("<h2>Welcome " + req.query.name + "</h2>");
179     res.write("<h3>Your Email Id is : " + req.query.email + "</h3>");
180     res.send();
181   });
182   app.listen(6785);
183
184   html(lang="en")
185     head
186       title Pug Form
187     body
188       .form
189         h2 Form
190         form(action="/data", method="get")
191           div
192             label Enter Your Name
193             input(type="text", name="name")
194           div
195             label Enter Your Email
196             input(type="email", name="email")
197           div
198             input(type="submit", value="Submit")
199
200   //Render
201   const express = require('express');
202   const path = require('path');
203   const app = express();
204   app.set('view engine', 'pug');
205   app.get('/', (req, res) =>
206   {

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205     res.render(__dirname+'/index_u', {message: 'Hello from Express!',name: 'lju',id: 2
    });
206 });
207 app.listen(6002)
208
209 //Multer
210 <html>
211 <form action="/uploadfile" method="post" enctype="multipart/form-data">
212 <input type="file" name="mypic" accept=".jpg,.jpeg,.png"/>
213 <input type="submit" value="Upload"/>
214 </form>
215 </html>
216
217 const express = require('express')
218 const multer = require('multer');
219 const app = express(); app.use(express.static(__dirname,{index: 'ml.html'}));
220 var store = multer.diskStorage(
221 {
222     destination:"single",
223     filename: function (req, file, cb)
224 {
225     cb(null, file.originalname)
226 }
227 })
228 var upload = multer({ storage: store })
229 app.post('/uploadfile', upload.single('mypic'), (req, res) =>
230 {
231     const file = req.file
232     if (file)
233     {
234         res.send("<h1>File <span style='color:red'>" + file.originalname + "'</span> has
            been uploaded in <span style='color:red'>" + file.destination + " </span>folder")
235     }
236 })
237 app.listen(6788);
238
239 //Node mailer
240 var nm = require("nodemailer");
241 var trans = nm.createTransport({
242     host : "smtp.gmail.com",
243     port:465,
244     auth:
245     {
246         user : "sender@gmail.com",
247         pass : "App Password"
248     }
249 });
250 var mailoption =
251 {
252     from:"sender@gmail.com",
253     to:"receiver1@gmail.com,receiver2@gmail.com ",
254     subject : "Hello",
255     text : 'Test mail',
256     html:'Testing node mailer, <h1>Effect of h1</h1>' };
257 trans.sendMail(mailoption,(err,info)=>
258 {
259     if(err)
260     {
261         console.error(err);
262     }
263     console.log(info);
264 });

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