

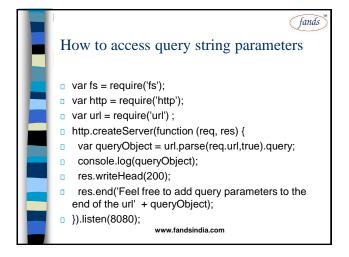
```
Simple Http Server

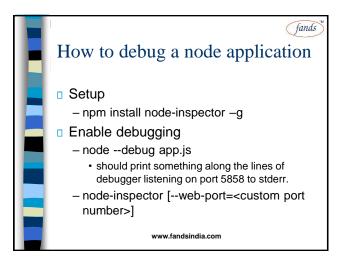
var http = require('http');
http.createServer(function(request,response)
{
    response.writeHead(200);
    response.write("hello, this is HelloWorld from Node");
    response.end();
}).listen(8080);

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```

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Event Emitters
var server = require("http").createServer()
server.on("request", function(request, response) {
  console.log("> REQUEST STARTED")
  request.on("end", function() {
        console.log("> REQUEST CLOSED")
        response.writeHead(200, {"Content-Type": "plain/text" })
        response.end("Hello World\n")
        server.close() })
  response.on("close", function() {
       console.log("> RESPONSE CLOSED") }) })
  server.on("close", function() {
       console.log("> SERVER CLOSED") })
   server.on("listening", function() {
       console.log("> SERVER STARTED") })
server.listen(8080)
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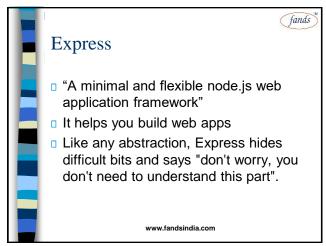












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Bottom layer: Node's HTTP server

// Require what we need
var http = require("http");
// Build the server
var app = http.createServer(function(request, response) {
    response.writeHead(200, {
        "Content-Type": "text/plain" });
    response.end("Hello world!\n");
});
// Start server
app.listen(1337, "localhost");
console.log("Server running at http://localhost:1337/");
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```

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Bottom layer: Node's HTTP server

var app = http.createServer(function(request,response) {

// Build the answer

var answer = "";

answer += "Request URL: " + request.url + "\n";

answer += "Request type: " + request.method + "\n";

answer += "Request headers: " +

JSON.stringify(request.headers) + "\n";

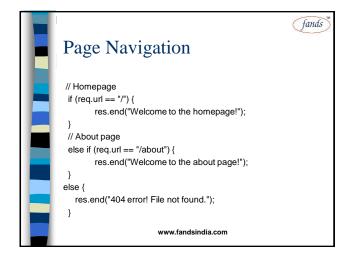
// Send answer

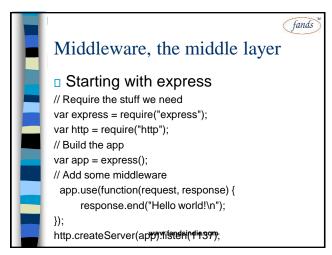
response.writeHead(200, { "Content-Type": "text/plain" });

response.end(answer);

});

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Top layer: routing
Routing is a way to map different requests to specific handlers
var express = require("express");
var http = require("http");
var app = express();
app.all("*", function(request, response, next) {
 response.writeHead(200, { "Content-Type": "text/plain" });
 next(); });
app.get("/", function(request, response) {
 response.end("Welcome to the homepage!"); });
app.post("/about", function(request, response) {
 response.end("Welcome to the about page!"); });
app.get("^*", function(request, response) \, \{
 response.end("404!"); });
http.createServer(app).listen(1337);
```

