# Department of Computing

**CS-213: Advanced Programming**

**Class: BSCS 7AB**

# Lab 4: Introduction to Node.js

# Instructor: Dr. Sidra Sultana

**Lab Engineer: Ms. Ayesha Asif**

**Name: Sanan Yaqoob**

**ID: 128908**

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# Lab 4: Introduction to Node.js

**Lab Tasks**

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| Solution |
| Task 2 Code:  var http = require('http');  http.createServer(function (req, res)  {  res.writeHead(200, {'Content-Type': 'text/html'});  res.end('Hello World!');  }).listen(8080);  Task 2 Output Screenshot:    Task 3 Code:  Module:  exports.myDateTime = function () {  return Date();  };  Task 4 Code:  var http = require('http');  var myfirstmodule = require('./myfirstmodule');  http.createServer(function (req, res)  {  res.writeHead(200, {'Content-Type': 'text/html'});  res.end(myfirstmodule.myDateTime());  }).listen(8080);  Task 4 Output Screenshot:    Task 5 Code:  var http = require('http');  http.createServer(function (req, res) {  res.write('Hello World!');  res.end();  }).listen(8080);  Task 5 Output Screenshot:    Task 6 code:  var http = require('http');  http.createServer(function (req, res) {  res.writeHead(200, {'Content-Type': 'text/html'});  res.write('Hello World!');  res.end();  }).listen(8080);  Task 6 Output Screenshot:    Task 7 code:  var http = require('http');  var fs = require('fs');  http.createServer(function (req, res) {  fs.readFile('./file1.html', function(err, data) {  res.writeHead(200, {'Content-Type': 'text/html'});  res.write(data);  res.end();  });  }).listen(8080);  Task 7 Output Screenshot:    Task 8 code:  var fs = require('fs');  fs.appendFile('./mynewfile1.txt', 'Hello world!', function (err) {  if (err) throw err;  console.log('Saved!');  });  Task 8 Output Screenshot:  Append():      Open():  var fs = require('fs');  fs.open('./mynewfile2.txt', 'w', function (err, file) {  if (err) throw err;  console.log('File created!');  });    writeFile() :  var fs = require('fs');  fs.writeFile('./mynewfile3.txt', 'File created!', function (err) {  if (err) throw err;  console.log('Saved!');  });    Task 9 code:  var fs = require('fs');  fs.appendFile('./mynewfile1.txt', ' This is my text.', function (err) {  if (err) throw err;  console.log('Updated!');  });  Task 9 Output Screenshot:    Task 10 code:  var fs = require('fs');  fs.writeFile('./mynewfile3.txt', 'This is my text', function (err) {  if (err) throw err;  console.log('Replaced!');  });  Task 10 Output Screenshot:      Task 11 code:  var fs = require('fs');  fs.unlink('./mynewfile2.txt', function (err) {  if (err) throw err;  console.log('File deleted!');  });  Task 11 Output Screenshot:    Task 12 code:  var fs = require('fs');  fs.rename('./mynewfile1.txt', 'myrenamedfile.txt', function (err) {  if (err) throw err;  console.log('File Renamed!');  });  Task 12 Output Screenshot: |

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