# Department of Computing

**CS-213: Advanced Programming**

**Class: BSCS 7AB**

# Lab 4: Introduction to Node.js

**Date: 26rd September, 2019**

**Time: 10:00-01:00pm & 02:00-05:00pm**

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| Solution |
| Task 1 Code:  Download node.js from [https://nodejs.org](https://nodejs.org/).  Task 1 Output Screenshot: |

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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.write("Hello World");        }).listen(1337,"127.0.0.1");  Task 2 Output Screenshot: |

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| Solution |
| Task 3 & 4 Code:  myfirstmodule.js:  exports.myDateTime = function(){      return Date();  };  Node.js:  var http= require('http');  var dt = require('./myfirstmodule');  http.createServer(function(req,res){      res.writeHead(200,{'content-Type':'text/html'});      res.write("The date and time which is beign send by my module is : " + dt.myDateTime());  }).listen(1337,"127.0.0.1");  console.log("Server running at 127.0.0.1:1337");  Task Output Screenshot: |

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| Solution |
| Task 5,6,7 Code:  <html>      <body>          <h1>My Header</h1>          <p>My paragraph.</p>      </body>  </html>  Node.js file:    Task Output Screenshot: |

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| Solution |
| Task 8, 9 Code: Append  var fs = require('fs');  fs.appendFile('E:\Fifth Semester\Advance Programming (AP)\Practices\mynewfile1.txt', ' This is my text.', function (err) {        if (err) throw err;        console.log('APPENDED!');      });  Task Output Screenshot: |

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| Solution |
| Task 10 Code:  var fs = require('fs');  fs.writeFile('mynewfile1.txt', 'This is replaced text.', function (err) {        if (err) throw err;        console.log('Replaced!');        });    Task Output Screenshot: |

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| Solution |
| Task 11 Code:    Task Output Screenshot: |

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| Solution |
| Task 12 Code: Rename  var fs = require('fs');  fs.rename('mynewfile1.txt', 'myrenamedfile.txt', function (err) {        if (err) throw err;        console.log('Rename Updated!');      });  Task Output Screenshot: |

NOTE: I did most of the tasks in single file name: append.js