

**Lab#4**

**Node.js**

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**Class: BSCS 7B**

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* **Task2:**

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| var http = require('http');      http.createServer(function (req, res) {        res.writeHead(200, {'Content-Type': 'text/html'});        res.end('Hello World\n');      }).listen(1337, "127.0.0.1");      console.log("server running"); |

* **Task3, 4, 5, 6:**

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| exports.mydatetime = function(){      return Date();  }  var http = require('http');  var date= require("./myfirstmodule");  http.createServer(function (req, res) {    res.writeHead(200, {'Content-Type': 'text/html'});    res.write("The current date and time is:"+ date.mydatetime());    res.end();    console.log("Server running");  }).listen(1337, "127.0.0.1"); |

* **Task 7:Reading file**

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| **Html file:**  <http>  <body>      <h1>Ayesha Munir</h1>      <h3>BSCS 7B</h3>  </body>  </http>  **Node.js code:**  var http = require('http');  var fs = require("fs");  http.createServer(function (req, res) {      fs.readFile("sample.html",function(err,data){  res.writeHead(200,{'Content-type':'text/html'});  res.write(data);  res.end();      });      console.log("server running");    }).listen(8080); |

* **Task 8: creating file**

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| **Creating file using append():**  var http = require('http');  var fs = require("fs");      fs.appendFile("sample2.html","<h2>this is my text</h2>",function(err){  if(err) throw err;      });      console.log("file saved");    **output:**    **Creating file using open():**  var http = require('http');  var fs = require("fs");      fs.open("sample2.html","w",function(err,file){  if(err) throw err;  console.log("file saved");      });      Using open an empty file is created:    **Using writeFile():**  var http = require('http');  var fs = require("fs");  fs.writeFile('sample4.txt', 'hello nustians!', function (err)  { if (err) throw err;      console.log('Saved!');});  Output: |

* **Task 9: appending text**

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| var http = require('http');  var fs = require("fs");      fs.appendFile("sample.html","<h2>this is my text</h2>",function(err){  if(err) throw err;      });      console.log("file saved");    **Output:** |

* **Task10: changing text of file**

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| var http = require('http');  var fs = require("fs");  fs.writeFile('sample.html', '<h1>i love pakistan</h1>', function (err)  { if (err) throw err;      console.log('text replaced!');});  **Output:** |

* **Task11: deleting file**

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| var http = require('http');  var fs = require("fs");  fs.unlink('sample2.txt', function (err)  { if (err) throw err;      console.log('deleted!');}); |

* **Task12: Renaming**

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| var http = require('http');  var fs = require("fs");  fs.rename('sample.html',"newname.html", function (err)  { if (err) throw err;      console.log('renamed!');});  **Output:** |