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| **Lab No** | 04 | **Reg. No** | 224921 |
| **Student Name** | Muhammad Saad Tariq | **Section** | A |

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| Solution Task 1 |
| Install node.js: |

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| Solution Task 2 |
| Code:  var server = require('http');  server.createServer(function(req, res){  res.writeHead(200, {'Content-Type' : 'text/plain'});  res.end('Hellow World\n');  console.log("Hello saad");  }).listen(8080); |

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| Solution Task 3 |
| Code:  exports.myDateTime = function () {  return Date();  }; |

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| Solution Task 4 |
| Code:  var server = require('http');  var dt = require('./myfirstmodule');  server.createServer(function(req, res){  res.writeHead(200, {'Content-Type' : 'text/html'});  res.write("The date and time are: "+dt.myDateTime());  res.end();  }).listen(8080); |

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| Solution Task 5 |
| var server = require('http');  server.createServer(function(req, res){  res.writeHead(200, {'Content-Type' : 'text/plain'});  res.end('Hellow World\n');  }).listen(8080); |

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| Solution Task 6 |
| Code:  var server = require('http');  server.createServer(function(req, res){  res.writeHead(200, {'Content-Type' : 'text/html'});  res.end('<h1>Header added</h1>');  }).listen(8080); |

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| Solution Task 7 |
| Code:  ‘material.html’:  <html>  <head>  <title>Sample</title>  </head>  <body>  <h3>Task 7</h3>  <p>This is the text that needs to be ready</p>  <ul>  <li>Create file</li>  <li>Read File</li>  </ul>  </body>  </html>  ‘task7.js’:  var http = require('http');  var file = require('fs');  http.createServer(function(req, res){  file.readFile('material.html', function(err,data){  res.writeHead(200, {'Content-type':'text/html'});  res.write(data);  res.end();  });  }).listen(8080); |

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| Solution Task 8 |
| ‘appendFile()’:  var file = require('fs');  file.appendFile('HelloWorld.txt', 'Hello there!', function(err){  if (err)  throw err;  console.log("Successful!");  });    ‘open()’:  var file = require('fs');  file.open('HelloWorld.txt', 'w', function(err, file){  if (err)  throw err;  console.log("Successful!");  });    ‘writeFile()’:  var file = require('fs');  file.writeFile('HelloWorld.txt', 'New Content', function(err){  if (err)  throw err;  console.log("Successful!");  }); |

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| Solution Task 9 |
| Code:  var file = require('fs');  file.appendFile('HelloWorld.txt', 'This is appended text!', function(err){  if (err)  throw err;  }); |

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| Solution Task 10 |
| Code:  var file = require('fs');  file.writeFile('mynewfile3.txt', 'Content is replaced', function(err){  if (err)  throw err;  console.log("Successful!");  }); |

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| Solution Task 11 |
| Code:  var file = require('fs');  file.unlink('mynewfile2.txt', function(err){  if (err)  throw err;  console.log("Successful!");  }); |

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| Solution Task 12 |
| Code:  var file = require('fs');  file.rename('HelloWorld.txt', 'renamedfile.txt',function(err){  if (err)  throw err;  console.log("Successful!");  }); |