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| **Lab No** | 05 | **Reg. No** | 211798 |
| **Student Name** | Hassan Shahzad | **Section** | C |

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| Solution Task 1 |
| <!DOCTYPE html>  <html>  <body>    <script>  class Car {  constructor(name) {  this.brand = name;  }  present() {  return 'I have a ' + this.brand;  }  }  class Model extends Car {  constructor(name, mod) {  super(name);  this.model = mod;  }  show() {  return this.present() + ', it is a ' + this.model  }  }  mycar = new Model("Ford", "Mustang");  document.write(mycar.show());  </script>  </body>  </html> |

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| Solution Task 2 |
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| Solution Task 3 |
| <!DOCTYPE html>  <html>  <body>  <h1>Function</h1>  <p>This demonstrates a regular function, NOT an arrow function.</p>  <p id="demo"></p>    <script>  hello = function() {  return "Hello World!";  }  document.getElementById("demo").innerHTML = hello();  </script>  </body>  </html> |

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| Solution Task 2 |
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| Solution Task 2 |
| <!DOCTYPE html>  <html>  <body>  <h1>Arrow Function</h1>  <h2>Implicit Return</h2>  <p>The arrow function expects a return value, and returns the value by default, without the <strong>return</strong> keyword.</p>  <p id="demo"></p>    <script>  hello = () => "Hello World!";  document.getElementById("demo").innerHTML = hello();  </script>  </body>  </html> |

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| Solution Task 2 |
| <!DOCTYPE html>  <html>  <body>  <h1>Arrow Function</h1>  <p>A demonstration of an arrow function in one line, with parameters.</p>  <p id="demo"></p>    <script>  hello = (val) => "Hello " + val;  document.getElementById("demo").innerHTML = hello("World");  </script>  </body>  </html> |

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| Solution Task 2 |
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| Solution Task 2 |
| import React from 'react';  import ReactDOM from 'react-dom';  class Car extends React.Component {  render() {  return <h2>Hi, I am a Car!</h2>;  }  }  ReactDOM.render(<Car />, document.getElementById('root')); |

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| Solution Task 2 |
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| Solution Task 2 |
| import React,{Component}  from 'react';  import logo from './logo.svg';  import './App.css';  import Greet from './greet';  class App extends Component{  render(){    return (    <div className="App">    <Greet></Greet>  </div>);    }  }  export default App;  import React from 'react';  function Greet() {    return <h1>Hello User</h1>  }  export default Greet; |

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| Solution Task 2 |
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| Solution Task 2 |
| import React from 'react';  import ReactDOM from 'react-dom';  const myelement = React.createElement('h1', {}, 'Not JSX!');  ReactDOM.render(myelement, document.getElementById('root')); |

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| Solution Task 2 |
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| Solution Task 2 |
| import React from 'react';  function Greet(props) {    return <h1>Hello {props.name}</h1>  }  export default Greet;  import React,{Component}  from 'react';  import logo from './logo.svg';  import './App.css';  import Greet from './greet';  class App extends Component{  render(){    return (    <div className="App">    <Greet name ="Hassan"></Greet>    <Greet name ="Shahzad"></Greet>    <Greet name ="Khan"></Greet>  </div>);    }  }  export default App; |

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| Solution Task 2 |
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| Solution Task 2 |
| import React,{Component}  from 'react';  import logo from './logo.svg';  import './App.css';  import Greet from './greet';  import React,{Component}  from 'react';  import logo from './logo.svg';  import './App.css';  import Greet from './greet';  class App extends Component{  render(){    return (    <div className="App">    <Greet name ="Hassan" heroname = "Batman"></Greet>    <Greet name ="Shahzad" heroname = "Superman"></Greet>    <Greet name ="Khan" heroname = "Spiderman"></Greet>  </div>);    }  }  export default App;  import React from 'react';  function Greet(props) {    return <h1>Hello {props.name}, {props.heroname}!</h1>  }  export default Greet; |

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| Solution Task 2 |
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| import React from 'react';  import logo from './logo.svg';  import './App.css';  import Greet from '/Greet‘  class App extends Component(){  render(){  return (  <div className="App">  <Greet name=“Hassan” heroName=“Batman”/>  <Greet name=“Shahzad” heroName=“Superman” />  <Greet name=“Khan” heroName=“Spiderman” />  </div> );  }  export default App;  import React,{Component} from 'react';  class Greet extends Component {  render(){  retrun <h1>Hello {this.props.name},{this.props.heroName}! </h1>  }  }  export default Greet; |

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| Solution Task 2 |
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