# Department of Computing

**CS-441: Web Technologies II**

**Class: BSCS 9AB**

# Lab 10: React Native Environment Setup and First Example in JSX

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**Time: 02:00 - 05:00pm**

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# Lab 10: React Native Environment Setup

**Lab Task**

Open the sample project in the emulator and complete the following tasks:

1. Edit the main file to change the contents.
2. Using JSX create a page with Header image and text showing “NUST SEECS Cafe”
3. A table with 3 columns showing items, item price and order button

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| **Solution** |
| **Task Code:**  **App.js**  import { StatusBar } from 'expo-status-bar';  import React from 'react';  import { StyleSheet, Text, View } from 'react-native';  import Header from './components/Header';  import Content from './components/Content';  import Table from './components/Table';  export default function App() {    return (      <>        <View style={styles.header}>          <Header />        </View>        <View style={styles.content}>          <Content />        </View>        <View style={styles.table}>          <Table />        </View>      </>    );  }  const styles = StyleSheet.create({    header: {      flex: 1,      paddingTop: 24,    },    content: {      flex: 1,    },    table: {      flex: 1,      padding: 15,    }  });  **Header.js**  import \* as React from 'react';  import { Text, View, StyleSheet, Image} from 'react-native';  export default function Header() {    return (      <View>        <Image source={require('../assets/1.jpg')} style={styles.headerImage}/>      </View>    );  }  const styles = StyleSheet.create({    headerImage: {      width: 412,      height : 200,    }  });  **Content.js**  import \* as React from 'react';  import { Text, View, StyleSheet, Image} from 'react-native';  export default function Content() {    return (      <View style={styles.container}>        <Text style={styles.TextStyles}>NUST SEECS Cafe</Text>      </View>    );  }  const styles = StyleSheet.create({      container: {      },    TextStyles: {      textAlign: 'center',      fontWeight: 'bold',      fontSize: 17,    }  });  **Table.js**  import \* as React from 'react';  import { Text, View, StyleSheet, TouchableOpacity, Button} from 'react-native';  export default function Table() {      return (          <>              <View style={{flexDirection: 'row'}}>                  <View>                      <Text style={styles.HeadText}>Items</Text>                      <Text style={styles.items}>Nashpati</Text>                      <Text style={styles.items}>Apple</Text>                      <Text style={styles.items}>Lays</Text>                      <Text style={styles.items}>Coke</Text>                  </View>                  <View style={{paddingLeft:50}}>                      <Text style={styles.HeadText}>Price</Text>                      <Text style={styles.price}>Rs. 100</Text>                      <Text style={styles.price}>Rs. 55</Text>                      <Text style={styles.price}>Rs. 50</Text>                      <Text style={styles.price}>Rs. 80</Text>                  </View>                  <View style={{paddingLeft: 50, paddingTop: 34}}>                      <TouchableOpacity style={styles.OrderBtn}>                          <Text style={styles.BtnText}>Order</Text>                      </TouchableOpacity>                      <TouchableOpacity style={styles.OrderBtn}>                          <Text style={styles.BtnText}>Order</Text>                      </TouchableOpacity>                      <TouchableOpacity style={styles.OrderBtn}>                          <Text style={styles.BtnText}>Order</Text>                      </TouchableOpacity>                      <TouchableOpacity style={styles.OrderBtn}>                          <Text style={styles.BtnText}>Order</Text>                      </TouchableOpacity>                  </View>              </View>          </>      );  }  const styles = StyleSheet.create({      Head: {          flexDirection: 'row',      },      HeadText: {          fontWeight: 'bold',      },      items: {          paddingTop: 19,      },      price: {          paddingTop: 19,      },      OrderBtn: {          height: 33,          width: 75,          paddingLeft: 13,          marginTop: 9,          paddingTop: 5,          backgroundColor: '#2196F3',      },      BtnText: {          color: 'white',      }  });    **Task Output Screenshot:**  **ss** |