# Department of Computing

**CS-213: Advanced Programming**

**Class: BSCS 7AB**

# Lab 12: React Native Login Application

**Date: 12 December, 2019**

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

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# Lab 12: React Native Login Application

**Introduction**

React Native combines the best parts of native development with React, a best-in-class JavaScript library for building user interfaces.

**Lab Task**

Create a login Application in react native

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| Solution |
| Task Code:  import React, { Component } from 'react';  import { Text, Alert, Button, TextInput, View, StyleSheet } from 'react-native';  export default class App extends Component {  constructor(props) {  super(props);    this.state = {  username: '',  password: '',  login: false  };  this.data = [  {  username: "ali",  password: '123'  },  {  username: "khan",  password: '2715'  }, {  username: "Farukh",  password: '1111'  }  ];  }    onLogin() {    const { username, password } = this.state;  let a=1  for(var i = 0; i < this.data.length; i++) {  if(this.data[i].username == this.state.username && this.data[i].password == this.state.password){  a=0;  this.setState({  login: true  });  break;  }    }  if(a==1)  Alert.alert('username/password doesnot match');  }  render() {  if(this.state.login != true){  return (    <View style={styles.container}>  <TextInput  value={this.state.username}  onChangeText={(username) => this.setState({ username })}  placeholder={'Username'}  style={styles.input}  />  <TextInput  value={this.state.password}  onChangeText={(password) => this.setState({ password })}  placeholder={'Password'}  secureTextEntry={true}  style={styles.input}  />    <Button  title={'Login'}  style={styles.input}  onPress={this.onLogin.bind(this)}  />  </View>    );  }  else{  return(  <View style={styles.container}>  <Text> WELCOME! {this.state.username} </Text>  <Button  title={'Back'}  style={styles.input}  onPress={(login) => this.setState({ login: false })}  />  </View>  );  }  }  }  const styles = StyleSheet.create({  container: {  flex: 1,  alignItems: 'center',  justifyContent: 'center',  backgroundColor: '#ecf0f1',  },  input: {  width: 200,  height: 44,  padding: 10,  borderWidth: 1,  borderColor: 'black',  marginBottom: 10,  },  });  Task Output Screenshot: |