**Advanced Programming Lab 11**

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**Code:**

import \* as React from 'react';

import { Text, View, StyleSheet } from 'react-native';

import Constants from 'expo-constants';

export default class App extends React.Component {

constructor(props)

{

super(props);

this.state={

ans:'',

history:''

}

}

clear()

{

this.setState({history:"", ans:""});

}

calculate()

{

this.setState({history: this.state.ans+'\n', ans:eval(this.state.ans)});

}

calculator(c){

this.setState({ans:this.state.ans+c});

}

render() {

return (

<View style={styles.container}>

<View style={styles.display}>

<Text style={{fontSize:"25px"}}>{this.state.history}{this.state.ans}</Text>

</View>

<View style={styles.keyboard}>

<View style={styles.keyrow}>

<View style={styles.key} onClick={this.calculator.bind(this, '1')}>

<Text>1</Text>

</View>

<View style={styles.key} onClick={this.calculator.bind(this, '2')}>

<Text>2</Text>

</View>

<View style={styles.key} onClick={this.calculator.bind(this, '3')}>

<Text>3</Text>

</View>

<View style={styles.key} onClick={this.calculator.bind(this, '4')}>

<Text>4</Text>

</View>

</View>

<View style={styles.keyrow}>

<View style={styles.key} onClick={this.calculator.bind(this, '5')}>

<Text>5</Text>

</View>

<View style={styles.key} onClick={this.calculator.bind(this, '6')}>

<Text>6</Text>

</View>

<View style={styles.key} onClick={this.calculator.bind(this, '7')}>

<Text>7</Text>

</View>

<View style={styles.key} onClick={this.calculator.bind(this, '8')}>

<Text>8</Text>

</View>

</View>

<View style={styles.keyrow}>

<View style={styles.key} onClick={this.calculator.bind(this, '9')}>

<Text>9</Text>

</View>

<View style={styles.key} onClick={this.calculator.bind(this, '0')}>

<Text>0</Text>

</View>

<View style={styles.key} onClick={this.calculator.bind(this, '+')}>

<Text>+</Text>

</View>

<View style={styles.key} onClick={this.calculator.bind(this, '-')}>

<Text>-</Text>

</View>

</View>

<View style={styles.keyrow}>

<View style={styles.key} onClick={this.calculator.bind(this, '\*')}>

<Text>\*</Text>

</View>

<View style={styles.key} onClick={this.calculator.bind(this, '/')}>

<Text>/</Text>

</View>

<View style={styles.key} onClick={this.calculate.bind(this)}>

<Text>=</Text>

</View>

<View style={styles.key} onClick={this.clear.bind(this)}>

<Text>C</Text>

</View>

</View>

</View>

</View>

);

}

}

const styles = StyleSheet.create({

container: {

flex: 1,

flexDirection:"column",

justifyContent: 'center',

border:"1px solid black",

paddingTop: Constants.statusBarHeight,

backgroundColor: '#d3d3d3',

padding: 8,

},

paragraph: {

margin: 24,

fontSize: 18,

fontWeight: 'bold',

textAlign: 'center',

},

display: {

textAlign:"right",

justifyContent:"flex-end",

flex:1,

margin:1,

marginTop:5,

border:"1px solid black",

background: "white"

},

keyboard: {

flex:2,

flexDirection:"column",

margin:1,

border:"1px solid black",

background: "white",

justifyContent: "center",

alignText:"center"

},

keyrow: {

flex:1,

flexDirection: "row",

margin: 1

},

key: {

flex:1,

margin:1,

background:"#d3d3d3",

justifyContent: "center",

textAlign:"center"

}

});

**Output:**

