



UNIVERSIDAD DE COLIMA

Universidad de Colima

Facultad de Telemática

Ingeniería de software

Programación de Móviles

React Native - Suma de dos numearos

Tercera parcial

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5°D

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App.js

```
import * as React from 'react';
import { Text, View, StyleSheet, TextInput, Button, TouchableOpacity } from 'react-native';
import { CheckBox } from 'react-native-elements';
import Constants from 'expo-constants';

export default class App extends React.Component {

  state = {

    text1:'',
    text2:'',
    operacion1:false,
    operacion2:false,
    resultado:'0'};

  Calcular(valor1, valor2,valor)
  {
    var s="";

    if(!!valor1 && !!valor2)
    {
      const a=parseFloat(valor1);
      const b=parseFloat(valor2);

      if(this.state.operacion1)
      {
        const c=a+b;
        s=s+ a+"+"+b+"="+c+"\n" ;
      }
      if(this.state.operacion2)
      {
        const c=a-b;
        s=s+ a+"-"+b+"="+c+"\n" ;
      }
      if(this.state.operacion3)
      {
        const c=a*b;
        s=s+ a+"x"+b+"="+c+"\n" ;
      }
      if(this.state.operacion4)
      {

```

```

        const c=a/b;
        s=s+ a+"/"+b+"="+c+"\n" ;
    }
    this.setState({resultado: s}) ;
    }
    else{
        this.setState({resultado: 'Error!'});
    }
}

render() {

    return (
        <View style={{padding: 10,fontSize:24}}>
            <Text style={{padding: 15, fontSize: 24,backgroundColor:'orange',color
: 'white',
            textAlign:'center'}}>
                Calculadoras
            </Text>

            <TextInput
                style={{height: 40,color:"white",borderColor:'green',backgroundColor
:'green',fontWeight:"bold", borderWidth:2,padding:5,marginTop:10}}
                placeholder="Valor 1"
                onChangeText={(text1) => this.setState({text1})}
                keyboardType='numeric'
            />
            <TextInput
                style={{height: 40,color:"white",borderColor:'green',backgroundColor
:'green',fontWeight:"bold",borderWidth:2,padding:5,marginTop:5}}
                placeholder="Valor 2"
                onChangeText={(text2) => this.setState({text2})}
                keyboardType='numeric'
            />

            <CheckBox
                title='Sumar'
                checked={this.state.operacion1}
                onPress={() => this.setState({operacion1: !this.state.operacion1})}
            />
            <CheckBox
                title='Restar'
                checked={this.state.operacion2}

```

```

onPress={() => this.setState({operacion2: !this.state.operacion2})}
/>
<CheckBox
  title='Multiplicar'
  checked={this.state.operacion3}
onPress={() => this.setState({operacion3: !this.state.operacion3})}
/>
<CheckBox
  title='Dividir'
  checked={this.state.operacion4}
onPress={() => this.setState({operacion4: !this.state.operacion4})}
/>

<TouchableOpacity
  style={{height: 60,backgroundColor:'blue', marginTop:10}}
  onPress={() => {
    this.Calcular(this.state.text1,this.state.text2,this.state.operacion);
  }}
>
<Text style={{color:'white',fontSize:24,textAlignVertical:'center',textAlign
: "center",top:12}}>Calcular</Text>
</TouchableOpacity>

    <Text style={{padding: 10, fontSize: 32}}>
      {this.state.resultado}
    </Text>

  </View>
);
}
}

```

Interfaz

Calculadoras	Calculadoras
Valor 1	6
Valor 2	5
<input type="checkbox"/> Sumar	<input type="checkbox"/> Sumar
<input type="checkbox"/> Restar	<input type="checkbox"/> Restar
<input type="checkbox"/> Multiplicar	<input type="checkbox"/> Multiplicar
<input type="checkbox"/> Dividir	<input type="checkbox"/> Dividir
Calcular	Calcular

$$6+5=11$$

Calculadoras	Calculadoras
6	6
5	5
<input type="checkbox"/> Sumar	<input type="checkbox"/> Sumar
<input type="checkbox"/> Restar	<input type="checkbox"/> Restar
<input type="checkbox"/> Multiplicar	<input type="checkbox"/> Multiplicar
<input type="checkbox"/> Dividir	<input type="checkbox"/> Dividir
Calcular	Calcular
6+5=11 6-5=1	6+5=11 6-5=1 6x5=30

Calculadoras
6
5
<input type="checkbox"/> Sumar
<input type="checkbox"/> Restar
<input type="checkbox"/> Multiplicar
<input type="checkbox"/> Dividir
Calcular
6+5=11 6-5=1 6x5=30 6/5=1.2