

## March 15 Assignment

Q:- Performing Addition Operation in React native.

```
import React, {Component} from 'react';
import {
  StyleSheet,
  Text,
  View,
  TouchableOpacity,
  TextInput,
} from 'react-native';

class NewCalculator extends Component {
  constructor(props: any) {
    super(props);
    this.state = {
      count: 0,
    };
  }
  Add = () => {
    const {count, num1, num2} = this.state;
    this.setState({
      count: parseInt(num1) + parseInt(num2),
      num1: '',
      num2: '',
    });
  };
  render() {
    return (
      <View style={styles.Container}>
        <Text style={{fontSize: 20}}>
          -----Calculator-----
        </Text>

        <TextInput
          style={styles.InputContainer1}
          placeholder="Enter the First number "
          keyboardType="numeric"
          onChangeText={text => this.setState({num1: text})}
          value={this.state.num1}
        />
        <TextInput
          style={styles.InputContainer2}
          placeholder="Enter the Second number "
          keyboardType="numeric"
          onChangeText={text => this.setState({num2: text})}
          value={this.state.num2}
        />
      </View>
    );
  }
}
```

```

        <TouchableOpacity style={styles.summitButton1} onPress={this.Add}>
          <Text
            style={{
              color: 'black',
              marginHorizontal: 150,
            }}>
            Addition{' '}
          </Text>
        </TouchableOpacity>
        <Text style={styles.output}>Result : {this.state.count}</Text>
      </View>
    );
  }
}
const styles = StyleSheet.create({
  InputContainer1: {
    backgroundColor: '#E7EAF9',
    marginVertical: 0,
  },
  output: {
    backgroundColor: 'white',
    marginVertical: 0,
    fontSize: 40,
  },
  InputContainer2: {
    backgroundColor: '#DAF7AF',
    marginVertical: 0,
  },
  Container: {
    backgroundColor: 'g#F3D073',
  },
  summitButton1: {
    backgroundColor: '#F0D4F7',
    //paddingLeft: 20,
    marginVertical: 30,
    height: 40,
    justifyContent: 'center',
  },
});
export default NewCalculator;

```

**Output :-**

5:25



## Calculator

Enter the First number

Enter the Second number

Addition

Result : 111

1

2

3

-

4

5

6

⌋

7

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9

✕

,

0

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## Q: Making Calculator using react Native

```
import React, {Component} from 'react';
import {
  StyleSheet,
  Text,
  View,
  TouchableOpacity,
  TextInput,
} from 'react-native';

class Calculator extends Component {
  constructor(props: any) {
    super(props);
    this.state = {
      count: 0,
    };
  }
  Add = () => {
    const {count, num1, num2} = this.state;
    this.setState({
      count: parseInt(num1) + parseInt(num2),
      num1: '',
      num2: '',
    });
  };
  Subtract = () => {
    const {count, num1, num2} = this.state;
    this.setState({
      count: parseInt(num1) - parseInt(num2),
      num1: '',
      num2: '',
    });
  };
  Mul = () => {
    const {count, num1, num2} = this.state;
    this.setState({
      count: parseInt(num1) * parseInt(num2),
      num1: '',
      num2: '',
    });
  };
  Div = () => {
    const {count, num1, num2} = this.state;

    this.setState({
      count: parseInt(num1) / parseInt(num2),
      num1: '',
      num2: '',
    });
  };
}
```

```

});
};
render() {
  return (
    <View style={styles.container}>
      <Text
        style={{
          fontSize: 20,
          backgroundColor: 'white',
        }}>
        -----Calculator-----
      </Text>
      <TextInput
        style={styles.input1}
        placeholder="Enter the First Number:"
        keyboardType="numeric"
        onChangeText={text => this.setState({num1: text})}
        value={this.state.num1}
      />
      <TextInput
        style={styles.input2}
        placeholder="Enter the Second Number:"
        keyboardType="numeric"
        onChangeText={text => this.setState({num2: text})}
        value={this.state.num2}
      />
      <View style={styles.countContainer}>
        <Text>Count: {this.state.count}</Text>
      </View>

      <TouchableOpacity style={styles.summitButton1} onPress={this.Add}>
        <Text
          style={{
            color: 'black',
            marginHorizontal: 150,
          }}>
          Addition{' '}
        </Text>
      </TouchableOpacity>

      <TouchableOpacity style={styles.summitButton2} onPress={this.Subtract}>
        <Text
          style={{
            color: 'black',
            marginHorizontal: 150,
          }}>
          Subtraction{' '}
        </Text>
      </TouchableOpacity>

      <TouchableOpacity style={styles.summitButton3} onPress={this.Mul}>
        <Text

```

```

        style={{
          color: 'black',
          marginHorizontal: 150,
        }}>
        Multiply{' '}
      </Text>
    </TouchableOpacity>
    <TouchableOpacity style={styles.summitButton4} onPress={this.Div}>
      <Text
        style={{
          color: 'black',
          marginHorizontal: 150,
        }}>
        Division{' '}
      </Text>
    </TouchableOpacity>
    <Text />
  </View>
);
}
}
export default Calculator;
const styles = StyleSheet.create({
  container: {
    backgroundColor: 'white',
  },

  input1: {
    backgroundColor: '#F3F3A6',
    alignItems: 'center',
    justifyContent: 'center',

    paddingHorizontal: 30,
    paddingVertical: 30,
  },
  input2: {
    backgroundColor: '#D6D6D6',
    alignItems: 'center',
    justifyContent: 'center',

    paddingHorizontal: 30,
    paddingVertical: 30,
  },
  countContainer: {
    backgroundColor: '#F3F8B6',
    height: 100,
    paddingHorizontal: 30,
    alignContent: 'center',
    justifyContent: 'center',
    borderColor: 'white',
  },
},

```

```
summitButton1: {
  backgroundColor: '#F3D073',
  height: 50,
  alignContent: 'center',
  justifyContent: 'center',
  borderColor: 'white',
},
summitButton2: {
  backgroundColor: '#F3F1EA',
  height: 50,
  alignContent: 'center',
  justifyContent: 'center',
},
summitButton3: {
  backgroundColor: '#DAF7AF',
  height: 50,
  alignContent: 'center',
  justifyContent: 'center',
},
summitButton4: {
  backgroundColor: '#CDCF77',
  height: 50,
  alignContent: 'center',
  justifyContent: 'center',
},
});
```

OutPut:-

6:07



## Calculator

Enter the First Number:

Enter the Second Number:

Count: 21

Addition

Subtraction

Multiply

Division

1

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