



EDUCACIÓN
SECRETARÍA DE EDUCACIÓN PÚBLICA



TECNOLÓGICO
NACIONAL DE MÉXICO®



Instituto **Tecnológico**
de Aguascalientes

TECHNOLOGICAL INSTITUTE OF THE STATE OF AGUASCALIENTES
INFORMATION AND COMMUNICATION TECHNOLOGY ENGINEERING

Multi-platform mobile applications

Theme 2

Interface design

1.- Documentation of the Practices

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Teacher: M. C. Fernando Robles Casillas

Class: 11:00-12:00

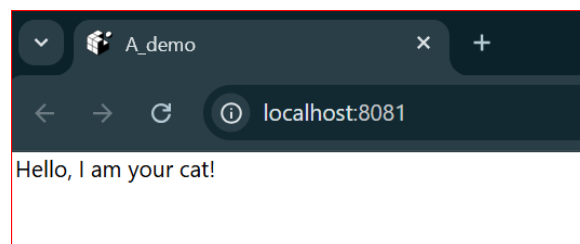
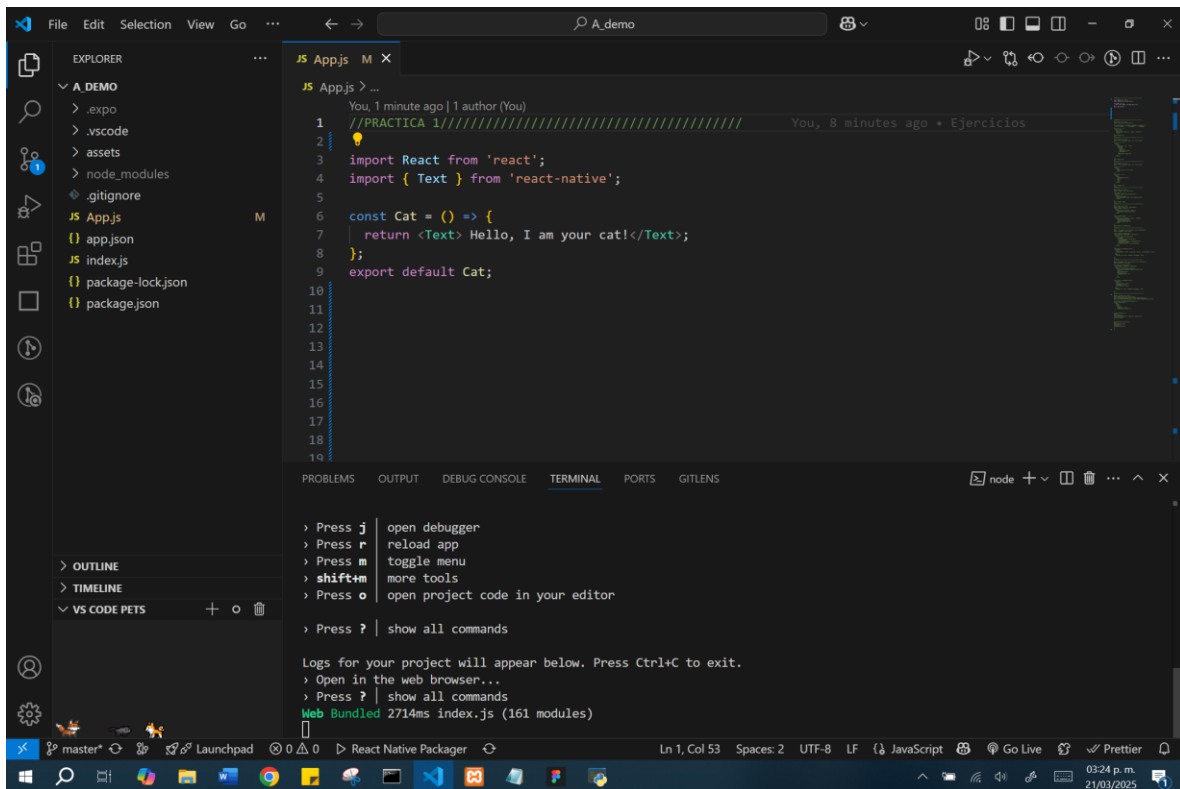
21/03/2025

Practicas

Practica 1

```
import React from 'react';  
import { Text } from 'react-native';
```

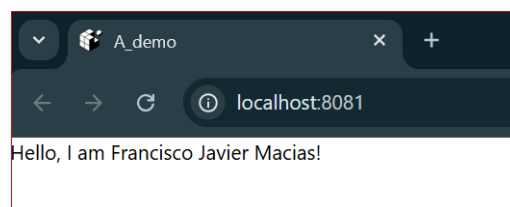
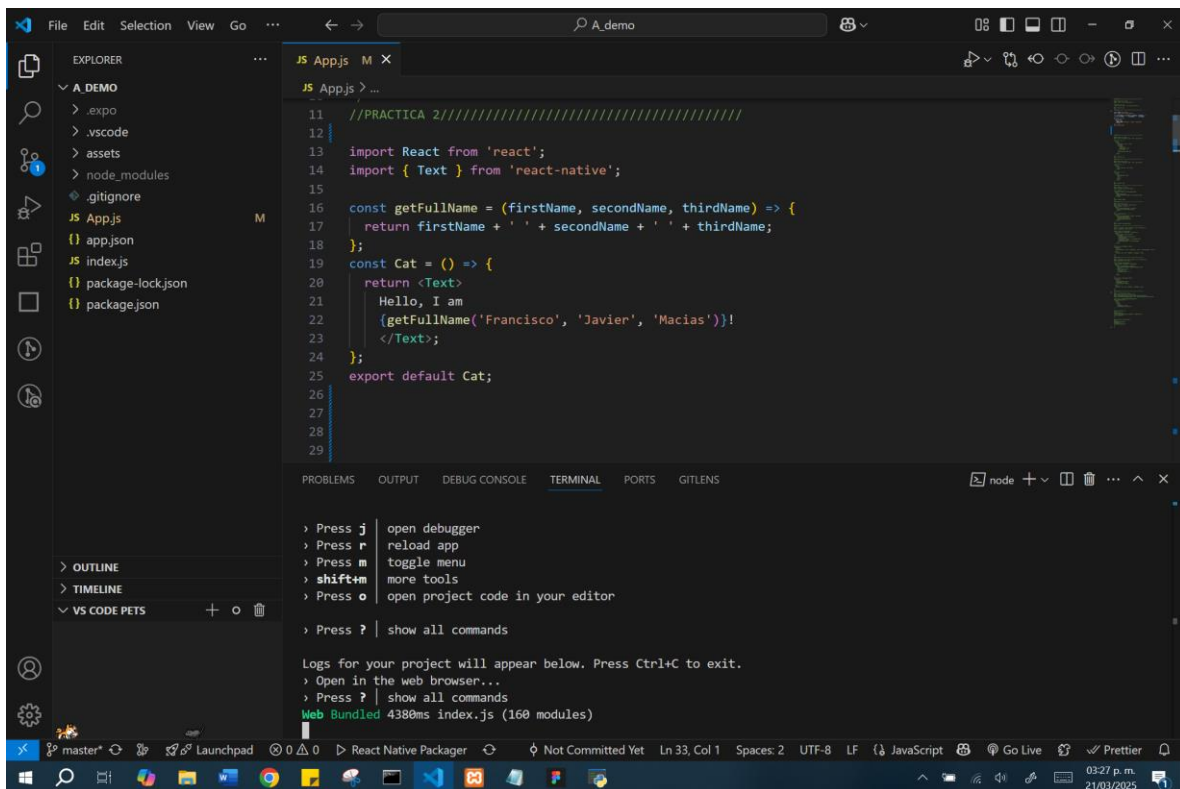
```
const Cat = () => {  
  return <Text> Hello, I am your cat!</Text>;  
};  
export default Cat;
```



Practica 2

```
import React from 'react';  
import { Text } from 'react-native';
```

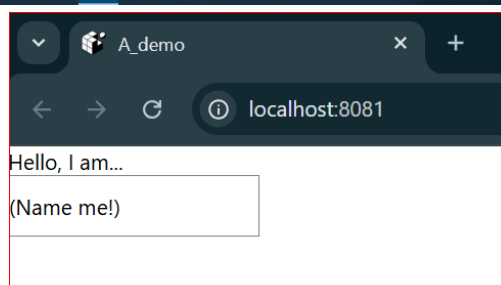
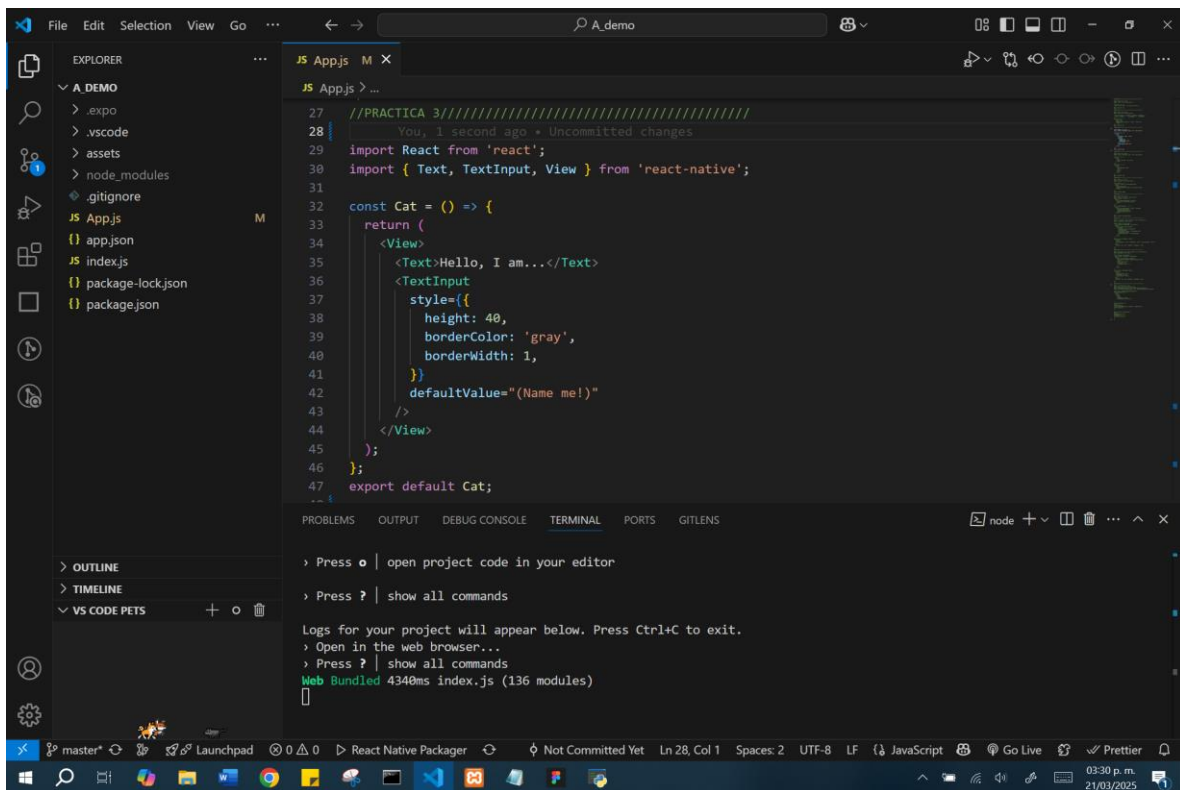
```
const getFullName = (firstName, secondName, thirdName) => {  
  return firstName + ' ' + secondName + ' ' + thirdName;  
};  
const Cat = () => {  
  return <Text>  
    Hello, I am  
    {getFullName('Francisco', 'Javier', 'Macias')}!  
  </Text>;  
};  
export default Cat;
```



Practica 3

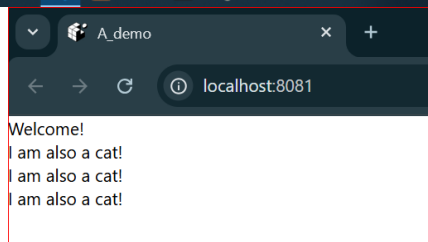
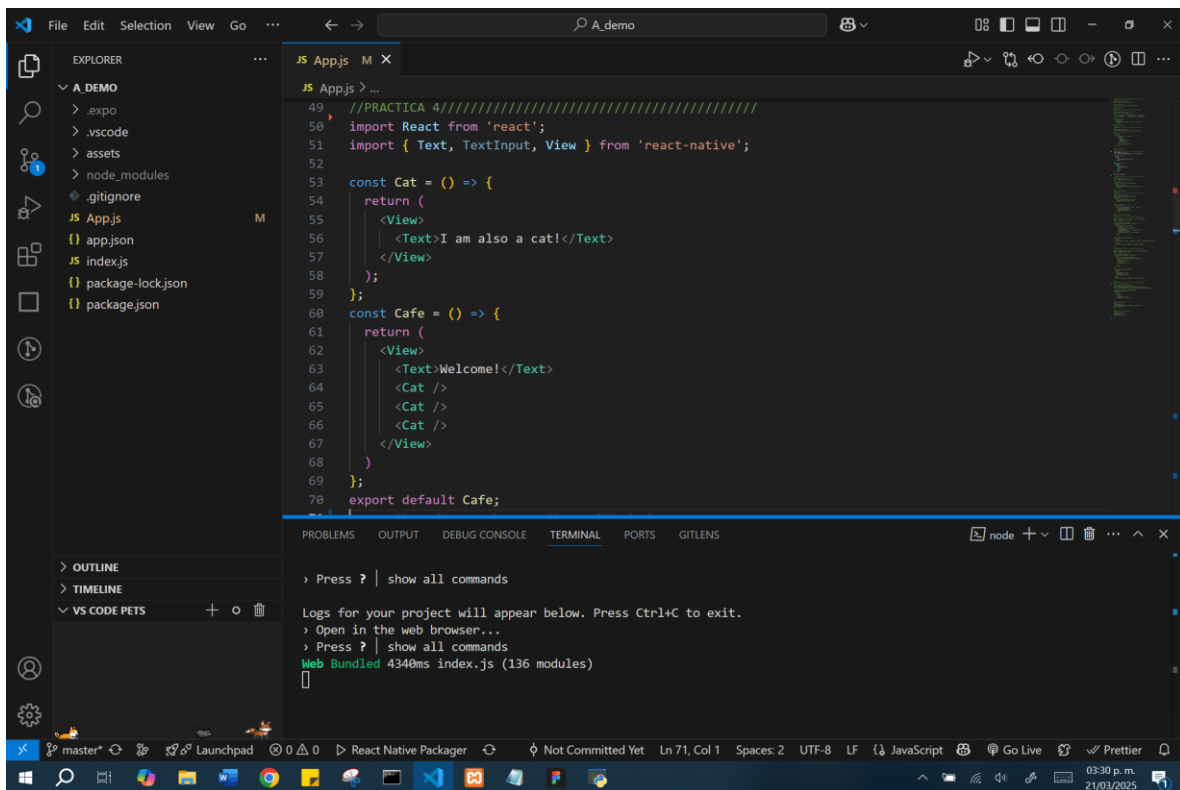
```
import React from 'react';  
import { Text, TextInput, View } from 'react-native';
```

```
const Cat = () => {  
  return (  
    <View>  
      <Text>Hello, I am...</Text>  
      <TextInput  
        style={{  
          height: 40,  
          borderColor: 'gray',  
          borderWidth: 1,  
        }}  
        defaultValue="(Name me!)"  
      />  
    </View>  
  );  
};  
export default Cat;
```



Practica 4

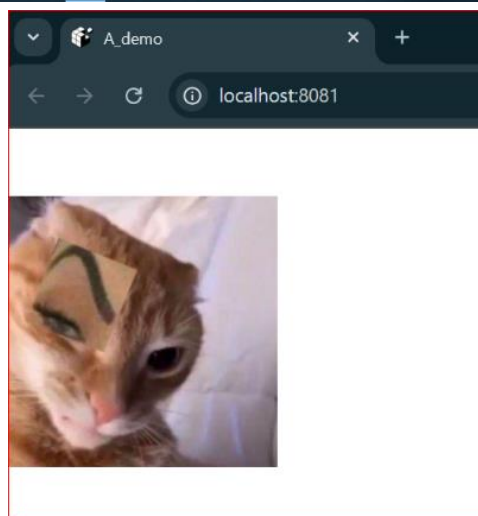
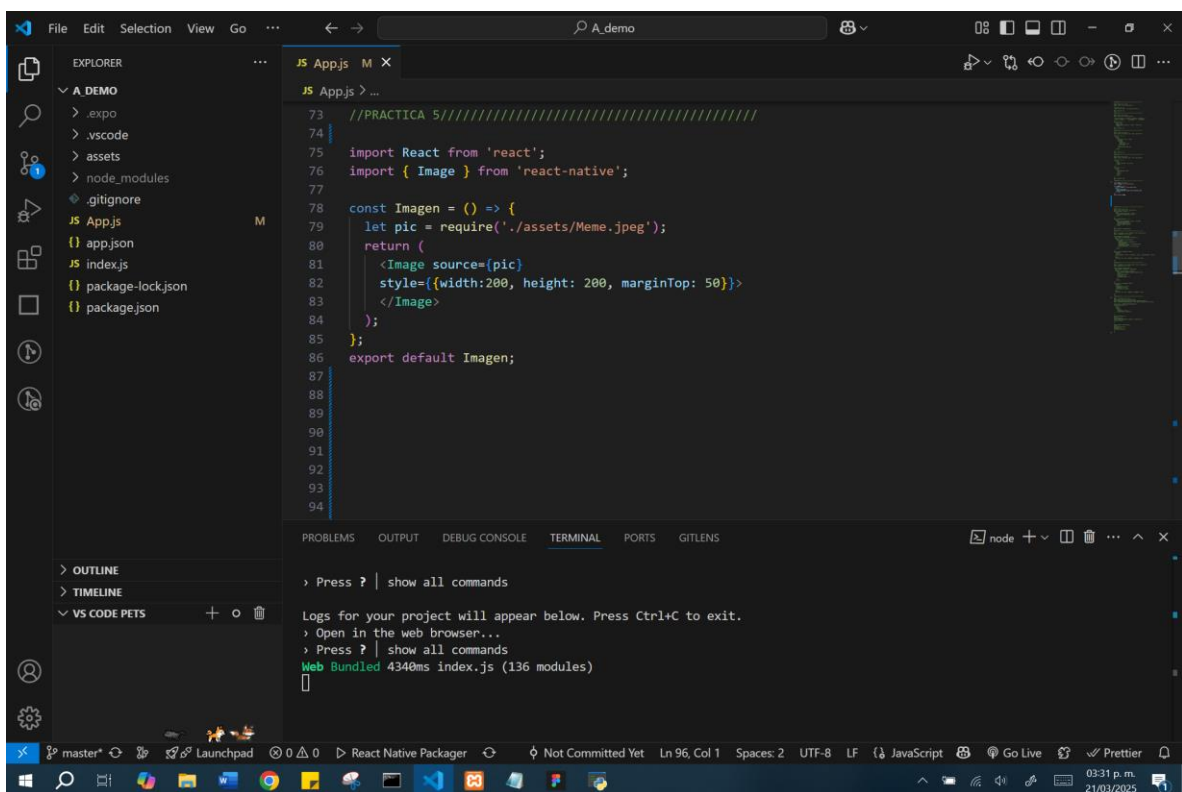
```
import React from 'react';
import { Text, TextInput, View } from 'react-native';
const Cat = () => {
  return (
    <View>
      <Text>I am also a cat!</Text>
    </View>
  );
};
const Cafe = () => {
  return (
    <View>
      <Text>Welcome!</Text>
      <Cat />
      <Cat />
      <Cat />
    </View>
  )
};
export default Cafe;
```



Practica 5

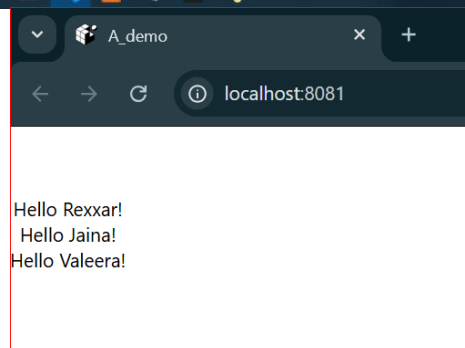
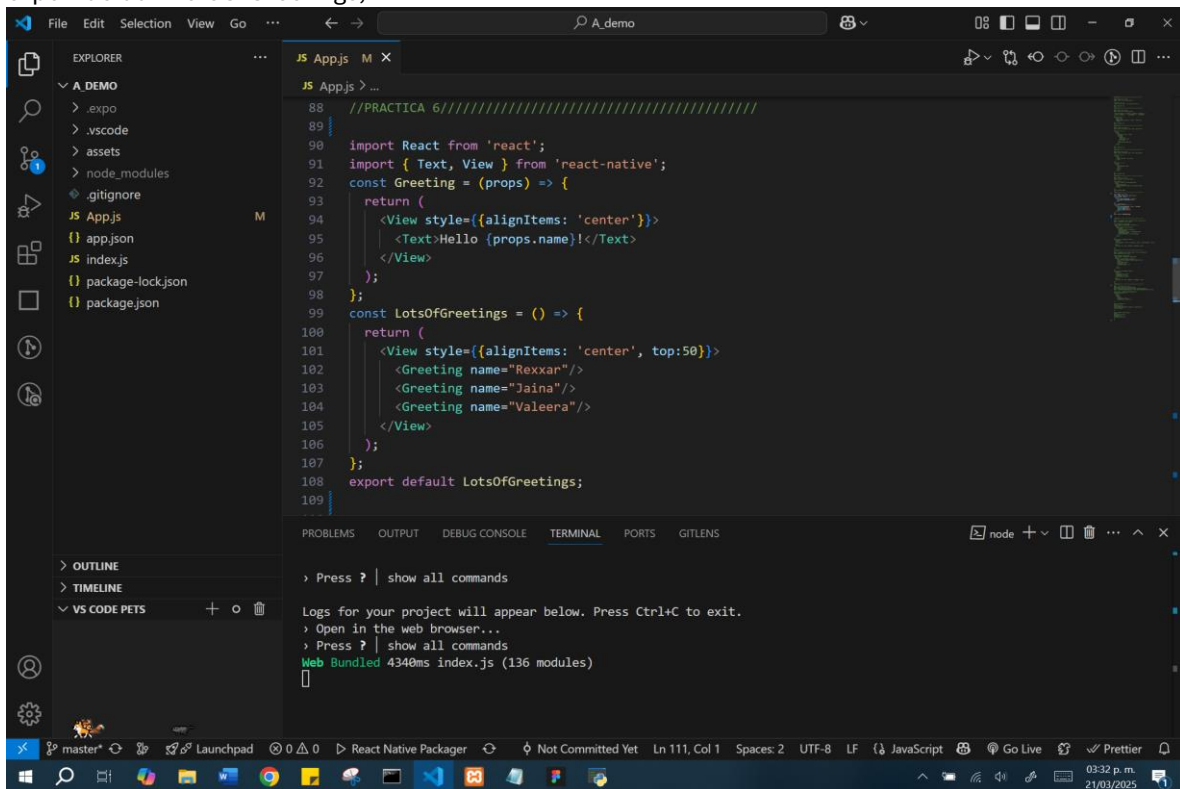
```
import React from 'react';
import { Image } from 'react-native';

const Imagen = () => {
  let pic = require('./assets/Meme.jpeg');
  return (
    <Image source={pic}
      style={{width:200, height: 200, marginTop: 50}}>
    </Image>
  );
};
export default Imagen;
```



Practica 6

```
import React from 'react';
import { Text, View } from 'react-native';
const Greeting = (props) => {
  return (
    <View style={{alignItems: 'center'}}>
      <Text>Hello {props.name}!</Text>
    </View>
  );
};
const LotsOfGreetings = () => {
  return (
    <View style={{alignItems: 'center', top:50}}>
      <Greeting name="Rexxar"/>
      <Greeting name="Jaina"/>
      <Greeting name="Valeera"/>
    </View>
  );
};
export default LotsOfGreetings;
```

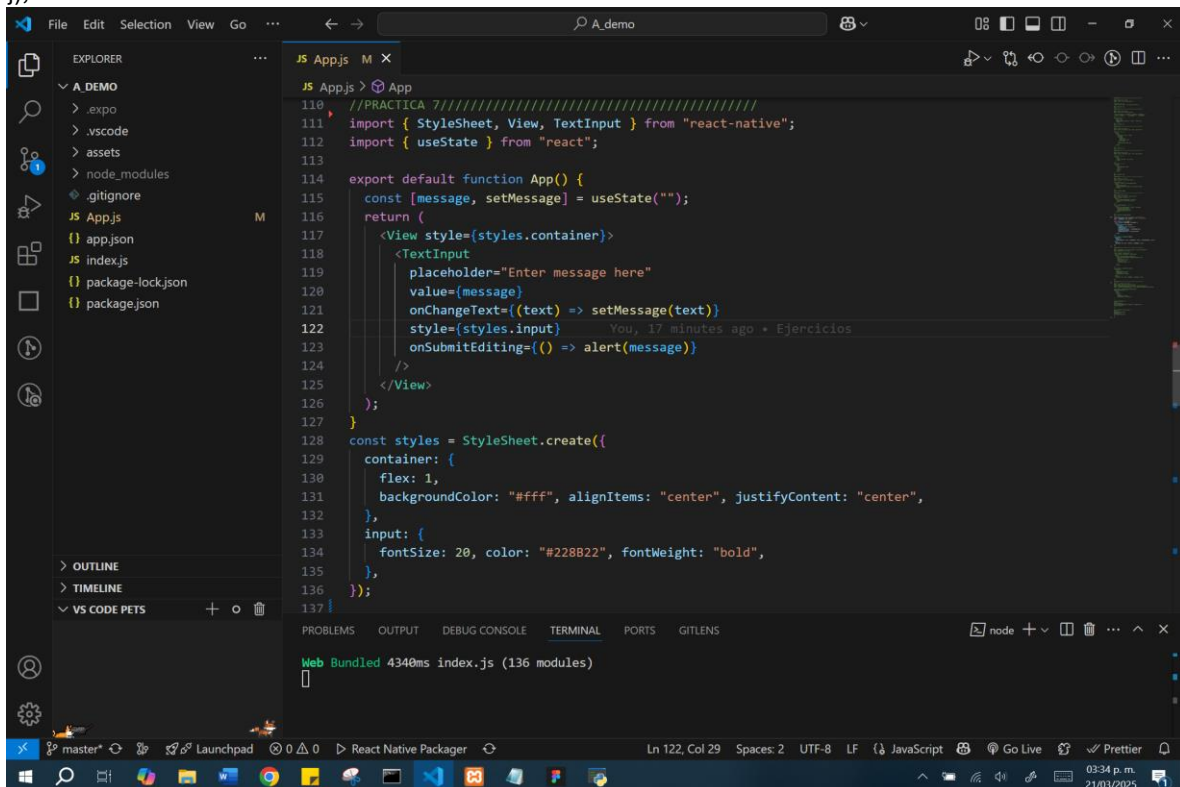
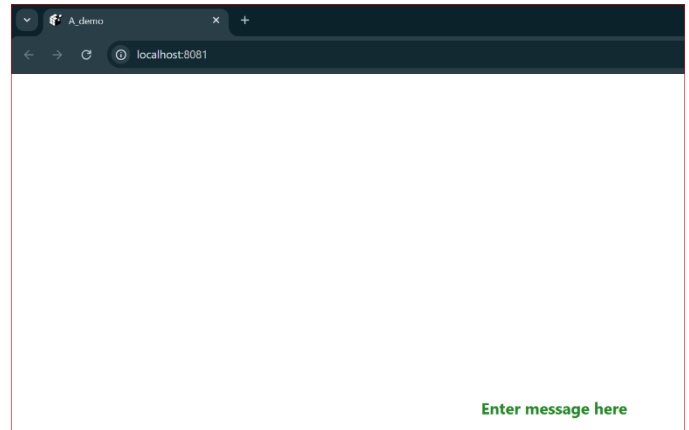


Practica 7

```
import { StyleSheet, View, TextInput } from "react-native";
import { useState } from "react";
```

```
export default function App() {
  const [message, setMessage] = useState("");
  return (
    <View style={styles.container}>
      <TextInput
        placeholder="Enter message here"
        value={message}
        onChangeText={(text) => setMessage(text)}
        style={styles.input}
        onSubmitEditing={() => alert(message)}
      />
    </View>
  );
}

const styles = StyleSheet.create({
  container: {
    flex: 1,
    backgroundColor: "#fff", alignItems: "center", justifyContent: "center",
  },
  input: {
    fontSize: 20, color: "#228B22", fontWeight: "bold",
  },
});
```

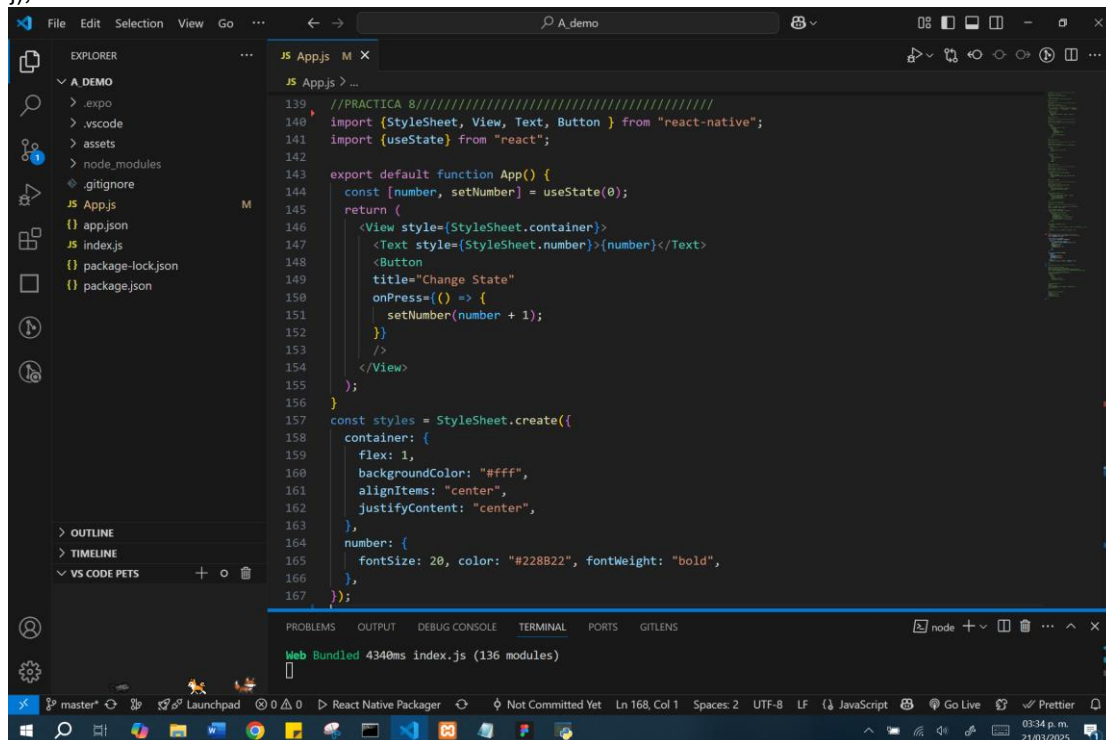
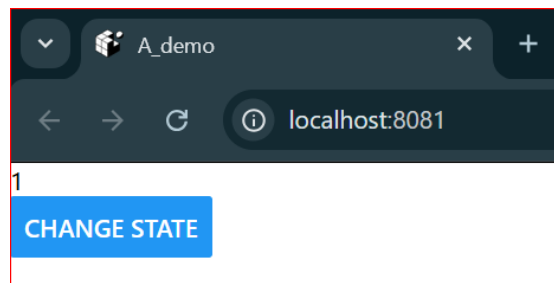
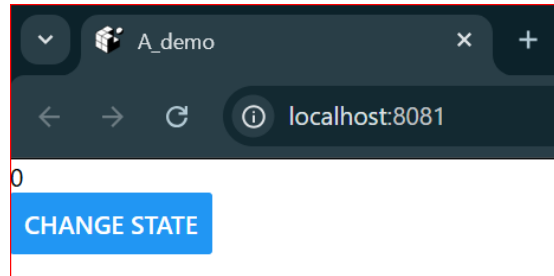


Practica 8

```
import {StyleSheet, View, Text, Button } from "react-native";
import {useState} from "react";
```

```
export default function App() {
  const [number, setNumber] = useState(0);
  return (
    <View style={StyleSheet.container}>
      <Text style={StyleSheet.number}>{number}</Text>
      <Button
        title="Change State"
        onPress={() => {
          setNumber(number + 1);
        }}
      />
    </View>
  );
}

const styles = StyleSheet.create({
  container: {
    flex: 1,
    backgroundColor: "#fff",
    alignItems: "center",
    justifyContent: "center",
  },
  number: {
    fontSize: 20, color: "#228B22", fontWeight: "bold",
  },
});
```



Practica 9

```
import * as React from 'react';
import {View, Text} from 'react-native';
import {NavigationContainer} from '@react-navigation/native';
import {createNativeStackNavigator} from '@react-navigation/native-stack';
const Stack = createNativeStackNavigator();
function HomeScreen () {
  return (
    <View
      style={{
        flex:1,
        alignItems: 'center',
        justifyContent:'center'}}/>
  )
}
function RootStack () {
  return (
    <Stack.Navigator>
    <Stack.Screen name="Home" component = {HomeScreen} />
    </Stack.Navigator>
  );
}
export default function App() {
  return (
    <NavigationContainer>
    <RootStack />
    </NavigationContainer>
  );
}
```

