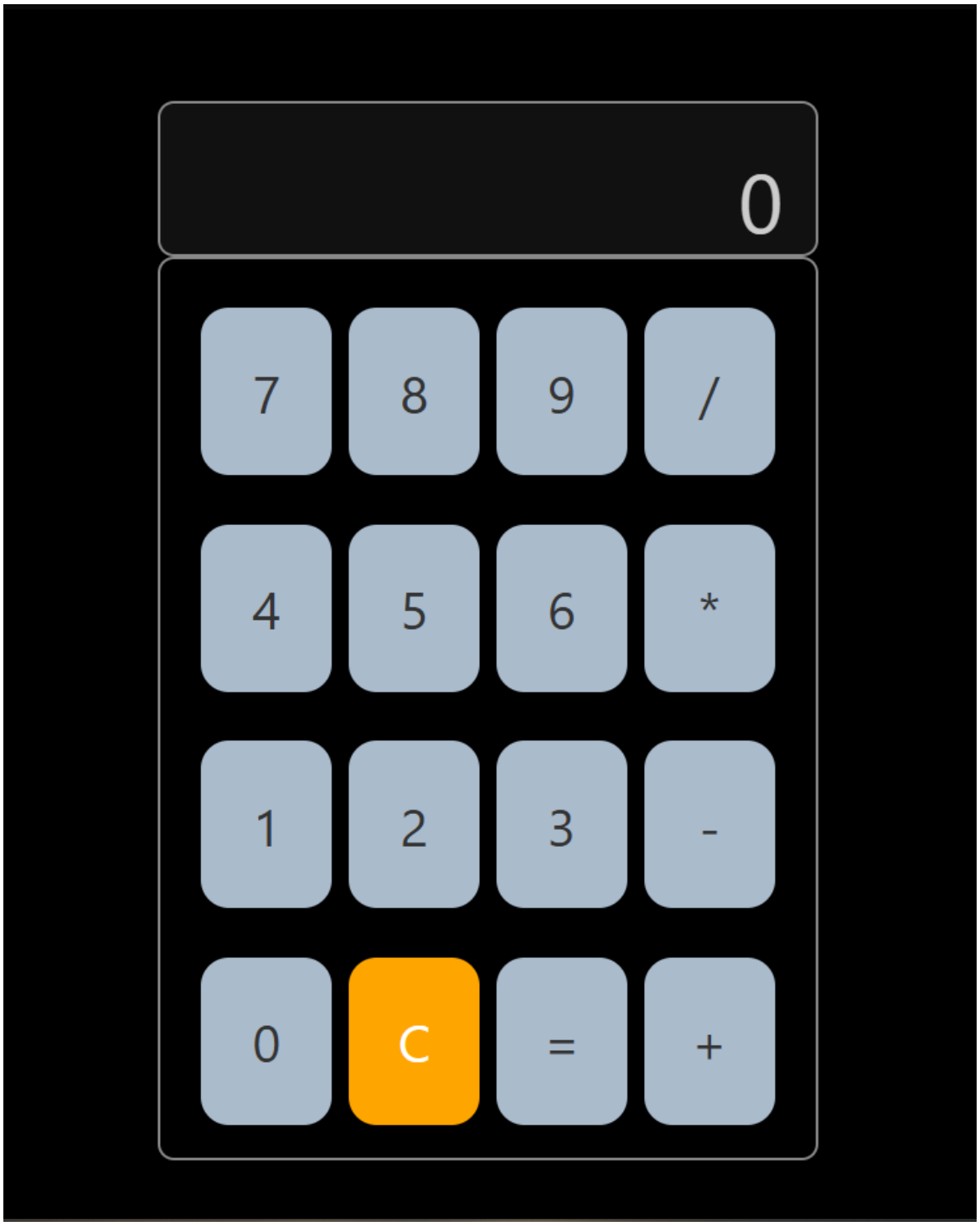
Tóth Attila - 26224103 - MobilHF

1. feladat

1. A nullával való osztás probléma, azt írja ki olyankor, hogy infinite.
2. Valamit lehetne még benne egy törlés gomb, ami egyesével törli ki a számokat
3. Opció tizedesekkel való számolásra
4. Valamint összefűzni a műveleteketű

2. feladat



```
import { StatusBar } from 'expo-status-bar';
import { StyleSheet, Text, View, TouchableOpacity} from 'react-native';
import {useState} from 'react';

export default function App() {
  const [displayResult, setdisplayResult] = useState('0');
  const [X, setX] = useState('');
  const [operator, setOperator]= useState('');

  const bemenoAdatKezeles = (num) =>{
    if(displayResult==='0')
      setdisplayResult(num.toString());
    else{
      setdisplayResult(displayResult+num);
      console.log('num= ', displayResult+num);
  }
};
  const operandusKezeles = (operandus) =>{
      setOperator(operandus);
      setX(displayResult);
      console.log('operandus= ', operandus);
      console.log('szam=', displayResult);

      setdisplayResult('0');
};
  const torlesKezeles = () => {
    setdisplayResult('0');
    setOperator('');
    setX('');
  };
  const egyenloKezeles = () =>{
    const szam1 = parseFloat(X);
    const szam2 = parseFloat(displayResult);

    if(operator === '+'){
      setdisplayResult((szam1 + szam2).toString());
    }else if(operator === '-'){
      setdisplayResult((szam1 - szam2).toString());
    }else if(operator === '*'){
      setdisplayResult((szam1 * szam2).toString());
    }else if(operator === '/'){
      if(szam2 !== 0){
        setdisplayResult((szam1 / szam2).toString());
      }else
        setdisplayResult('Nullaval nem lehet osztani!');
    }
    setOperator('');
    setX('');
  };
```

```
return (
  <View style={styles.container}>
    <Text style={styles.displayResult}>{displayResult}</Text>
    <View style={styles.calculatorContainer}>
      <View style={styles.buttonRow}>
        <TouchableOpacity style={styles.button}
        onPress={()=>bemenoAdatKezeles(7)}>
          <Text style={styles.buttonText}>7</Text>
        </TouchableOpacity>

        <TouchableOpacity style={styles.button}
        onPress={()=>bemenoAdatKezeles(8)}>
          <Text style={styles.buttonText}>8</Text>
        </TouchableOpacity>

        <TouchableOpacity style={styles.button}
        onPress={()=>bemenoAdatKezeles(9)}>
          <Text style={styles.buttonText}>9</Text>
        </TouchableOpacity>

        <TouchableOpacity style={styles.button}
          onPress={()=>operandusKezeles('/')}>
          <Text style={styles.buttonText}>/</Text>
        </TouchableOpacity>
      </View>

      <View style={styles.buttonRow}>
        <TouchableOpacity style={styles.button}
        onPress={()=>bemenoAdatKezeles(4)}>
          <Text style={styles.buttonText}>4</Text>
        </TouchableOpacity>

        <TouchableOpacity style={styles.button}
        onPress={()=>bemenoAdatKezeles(5)}>
          <Text style={styles.buttonText}>5</Text>
        </TouchableOpacity>

        <TouchableOpacity style={styles.button}
        onPress={()=>bemenoAdatKezeles(6)}>
          <Text style={styles.buttonText}>6</Text>
        </TouchableOpacity>

        <TouchableOpacity style={styles.button}
          onPress={()=>operandusKezeles('*')}>
          <Text style={styles.buttonText}>*</Text>
        </TouchableOpacity>
      </View>
      <View style={styles.buttonRow}>
```

```
          <TouchableOpacity style={styles.button}
          onPress={()=>bemenoAdatKezeles(1)}>
            <Text style={styles.buttonText}>1</Text>
          </TouchableOpacity>

          <TouchableOpacity style={styles.button}
          onPress={()=>bemenoAdatKezeles(2)}>
            <Text style={styles.buttonText}>2</Text>
          </TouchableOpacity>

          <TouchableOpacity style={styles.button}
          onPress={()=>bemenoAdatKezeles(3)}>
            <Text style={styles.buttonText}>3</Text>
          </TouchableOpacity>

          <TouchableOpacity style={styles.button}
            onPress={()=>operandusKezeles('-')}>
            <Text style={styles.buttonText}>-</Text>
          </TouchableOpacity>
        </View>

        <View style={styles.buttonRow}>
          <TouchableOpacity style={styles.button}
          onPress={()=>bemenoAdatKezeles(0)}>
            <Text style={styles.buttonText}>0</Text>
          </TouchableOpacity>

          <TouchableOpacity style={[styles.button,{backgroundColor:
'orange'}]}
            onPress={()=>torlesKezeles()}>
            <Text style={[styles.buttonText,{color:'#fff'}]}>C</Text>
          </TouchableOpacity>

          <TouchableOpacity style={styles.button}
            onPress={()=>egyenloKezeles()}>
            <Text style={styles.buttonText}>=</Text>
          </TouchableOpacity>

          <TouchableOpacity style={styles.button}
            onPress={()=>operandusKezeles('+')}>
            <Text style={styles.buttonText}>+</Text>
          </TouchableOpacity>
        </View>
      </View>
    </View>
  );
}

const styles = StyleSheet.create({
```

```
  container: {
    flex: 1,
    backgroundColor: '#000',
    alignItems: 'center',
    justifyContent: 'center'
  },
  calculatorContainer: {
    borderWidth: 2,
    borderColor: '#888',
    borderRadius: 10,
    padding: 10,
    backgroundColor: '#000',
    marginBottom: 30,
  },
  displayResult:{
    color: '#ccc',
    fontSize: 50,
    paddingTop: 25,
    marginTop: 50,
    alignSelf: 'center',
    textAlign: 'right',
    width: '27%',
    paddingRight: 20,
    borderWidth: 2,
    borderColor: '#888',
    borderRadius: 10,
    backgroundColor: '#111',
  },
  buttonRow:{
    flex: 1,
    flexDirection: 'row',
    justifyContent: 'space-between',
    margin: 10,
  },
  button: {
    flex: 1,
    borderRadius: 17,
    alignItems: 'center',
    justifyContent: 'center',
    backgroundColor: '#abc',
    marginTop: 10,
    marginHorizontal: 5,
    padding: 30
  },
  buttonText: {
    color: '#333',
    fontSize: 32,
  }
});
```