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1. Soal 1
    Syntax untuk memuat project react native menggunakan yarn

    ```
    D:\PemrogramanPerangkatBergerak_2023>yarn create expo-app quiz
    ```

    Syntax untuk memuat project react native menggunakan npx

    ```
    D:\PemrogramanPerangkatBergerak_2023>npx create-expo-app quiz
    ```

2. Soal 2
    Syntac untuk menjalankan program react native menggunakan yarn

    ```
    D:\PemrogramanPerangkatBergerak_2023>yarn start
    ```

3. Soal 3

Code
Quiz.js

    ```
    components > JS Quiz.js > ...
    1   import { Text, View } from "react-native";
    2   import React, { Component } from "react";
    3
    4   class Quiz extends Component {
    5     render() {
    6       return (
    7         <View>
    8           <Text>Sedang Melaksanakan Quiz</Text>
    9         </View>
    10      );
    11    }
    12  }
    13
    14  export default Quiz;
    ```
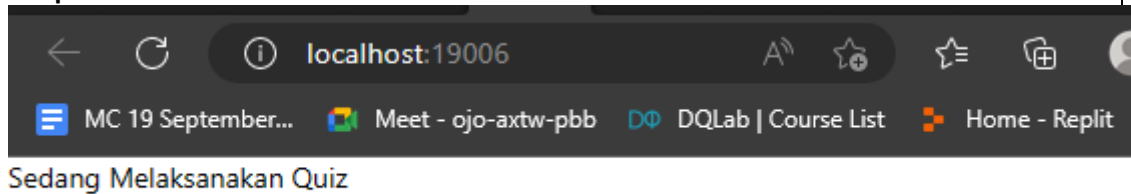
    App.js

```js
JS App.js > ...
  1  ∨ import { StatusBar } from "expo-status-bar";
  2     import { StyleSheet, Text, View } from "react-native";
  3     import CardMenu from "./components/CardMenu";
  4     import MyCalendar from "./components/MyCalendar";
  5     import { SafeAreaView } from "react-native";
  6     import Quiz from "./components/Quiz";
  7
  8  ∨ export default function App() {
  9  ∨   return (
 10  ∨     <SafeAreaView>
 11           <Quiz />
 12         </SafeAreaView>
 13       );
 14     }
```

Output

localhost:19006

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Sedang Melaksanakan Quiz

4. Soal 4

Code
Form.js

```js
import React, { useState } from "react";
import { TextInput } from "react-native";
import { SafeAreaView } from "react-native";
import { View, StyleSheet, Text } from "react-native";

const Form = () => {
  const [title, setTitle] = useState("Masukan Nama Kegiatan");
  return (
    <SafeAreaView>
      <View style={styles.container}>
        <Text style={{ justifyContent: "center", fontSize: 40 }}>Form
Judul Kegiatan</Text>
        <Text>{title}</Text>
      </View>
      <View>
        <View>
          <TextInput style={styles.text_input} placeholder="Masukan
teks" defaultValue={title} onChangeText={(text) => setTitle(text)} />
        </View>
      </View>
    </SafeAreaView>
```

```
  );
};

const styles = StyleSheet.create({
  container: {
    justifyContent: "center",
    padding: 10,
    backgroundColor: "white",
  },
  frm_row: { marginBottom: 15 },
  text_label: {
    fontWeight: "bold",
    margin: 10,
    fontSize: 16,
  },
  text_input: {
    borderWidth: 1,
    borderColor: "grey",
    borderRadius: 5,
    padding: 10,
    fontSize: 16,
    color: "grey",
    marginHorizontal: 10,
  },
});

export default Form;
```

App.js

```
import { StatusBar } from "expo-status-bar";
import { StyleSheet, Text, View } from "react-native";
import { SafeAreaView } from "react-native";
import Form from "./components/Form";


export default function App() {
  return (
    <SafeAreaView>
      <Form />
    </SafeAreaView>
  );
}
```

Output
Sebelum diinput teks

Setelah diinput teks

5. Soal 5

Code

Dummy.js

```js
const Users = [
  { id: 1, name: "Zaki", fullname: "Zaki Aljabbar", gender: "M" },
  { id: 2, name: "Adrian", fullname: "Adrian Adhari", gender: "M" },
  { id: 3, name: "Hana", fullname: "Hana Yulia Rahmah", gender: "F" },
  { id: 4, name: "Lukman", fullname: "Lukman Nurhakim", gender: "M" },
  { id: 5, name: "Cindy", fullname: "Cindy Kevina", gender: "F" },
  { id: 6, name: "Katarina", fullname: "Katarina", gender: "F" },
  { id: 7, name: "Andrea", fullname: "Andreaaa", gender: "F" },
  { id: 8, name: "Laurentia", fullname: "Laurenn", gender: "F" },
  { id: 9, name: "Michael", fullname: "Michael F", gender: "M" },
  { id: 10, name: "Ferdy", fullname: "Ferdy A", gender: "M" },
];

export { Users };
```

MyFriends.js

```js
import React, { Component } from "react";
import { View, StatusBar, SafeAreaView, StyleSheet } from "react-native";
import ExpScrollView from "./widgets/ExpScrollView";
import SearchBar from "./widgets/SearchBar";
import { Users } from "../const-data/Dummy";
import ExpSectionList from "./widgets/ExpSectionList";
```

```
class MyFriends extends Component {
  render() {
    return (
      <SafeAreaView style={styles.container}>
        <StatusBar hidden={false} style="light" />
        <View style={styles.header}>
          <SearchBar />
        </View>
        <View style={styles.body}>

          <ExpScrollView Users={Users} />
        </View>
      </SafeAreaView>
    );
  }
}

export default MyFriends;

const styles = StyleSheet.create({
  container: {
    flex: 1,
    backgroundColor: "black",
  },
  header: {
    flex: 1,
    justifyContent: "center",
    paddingHorizontal: 10,
    backgroundColor: "orange",
  },
  body: {
    flex: 10,
    backgroundColor: "black",
  },
});
```

SectionList.js

```
import React from "react";
import { SectionList, Text } from "react-native";
import { Users } from "../../const-data/Dummy";
import UserItems from "./UserItems";

const ExpSectionList = () => {
  const data = [
    { title: "Suggested", data: Users },
    { title: "Followers", data: Users },
  ];
  return (
    <SectionList
```

```
      sections={data}
      renderItem={({ item }) => <UserItems item={item} />}
      renderSectionHeader={({ section: { title } }) => (
        <Text style={{ color: "white", fontSize: 16 }}>{title}</Text>
      )}
    />
  );
};


export default ExpSectionList;
```

FlatList.js

```
import React from "react";
import { FlatList } from "react-native";
import { Users } from "../../const-data/Dummy";
import UserItems from "./UserItems";

const ExpFlatList = () => {
  return (
    <FlatList
      data={Users}
      renderItem={({ item }) => <UserItems item={item} />}
    />
  );
};


export default ExpFlatList;
```
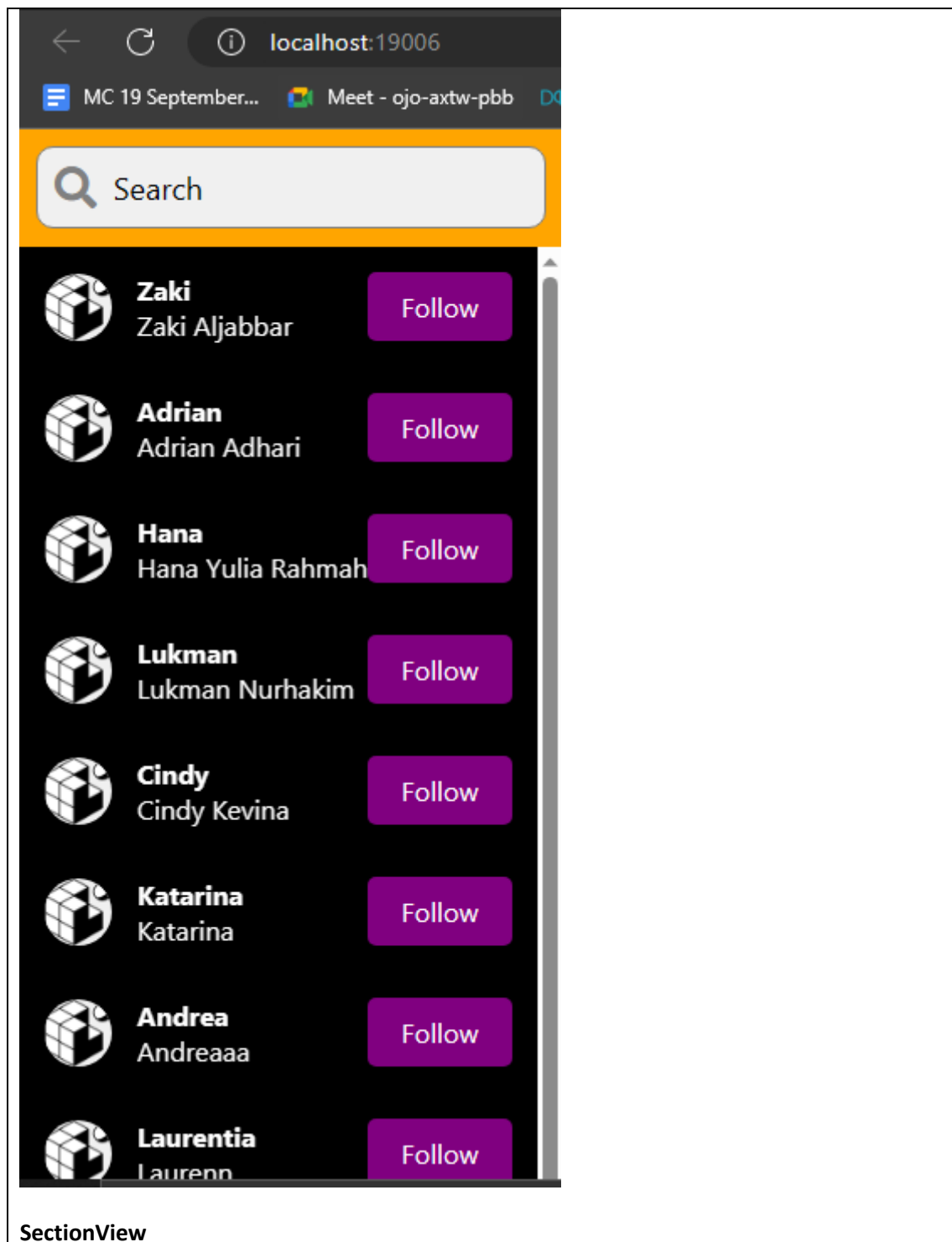
ScrollView.js

```
import { ScrollView } from "react-native";
import React from "react";
// import { Users } from "../../const-data/User";
import UserItems from "./UserItems";

const ExpScrollView = ({ Users }) => {
  return (
    <ScrollView>
      {Users.map((v, index) => (
        <UserItems item={v} key={index} />
      ))}
    </ScrollView>
  );
};


export default ExpScrollView;
```
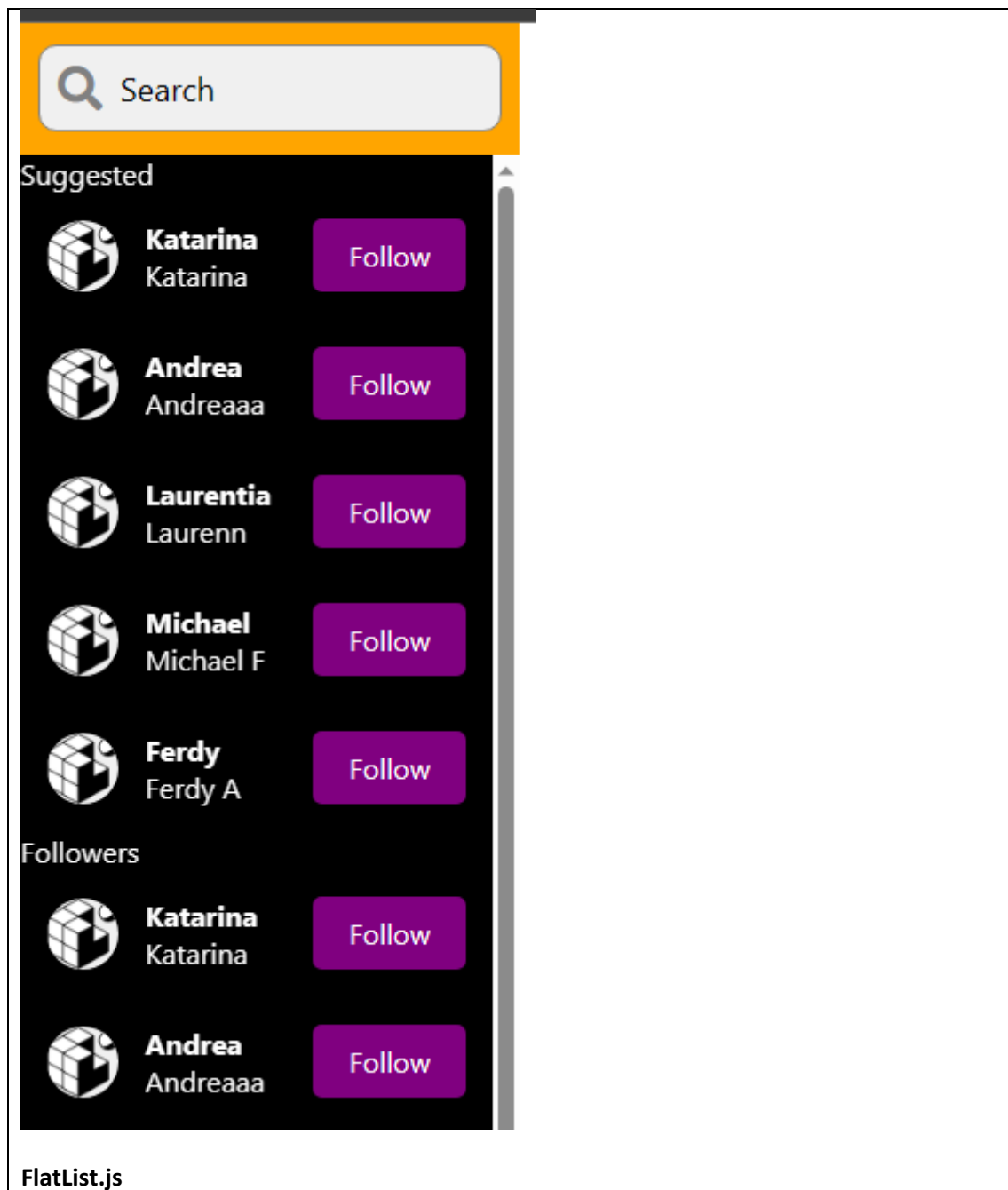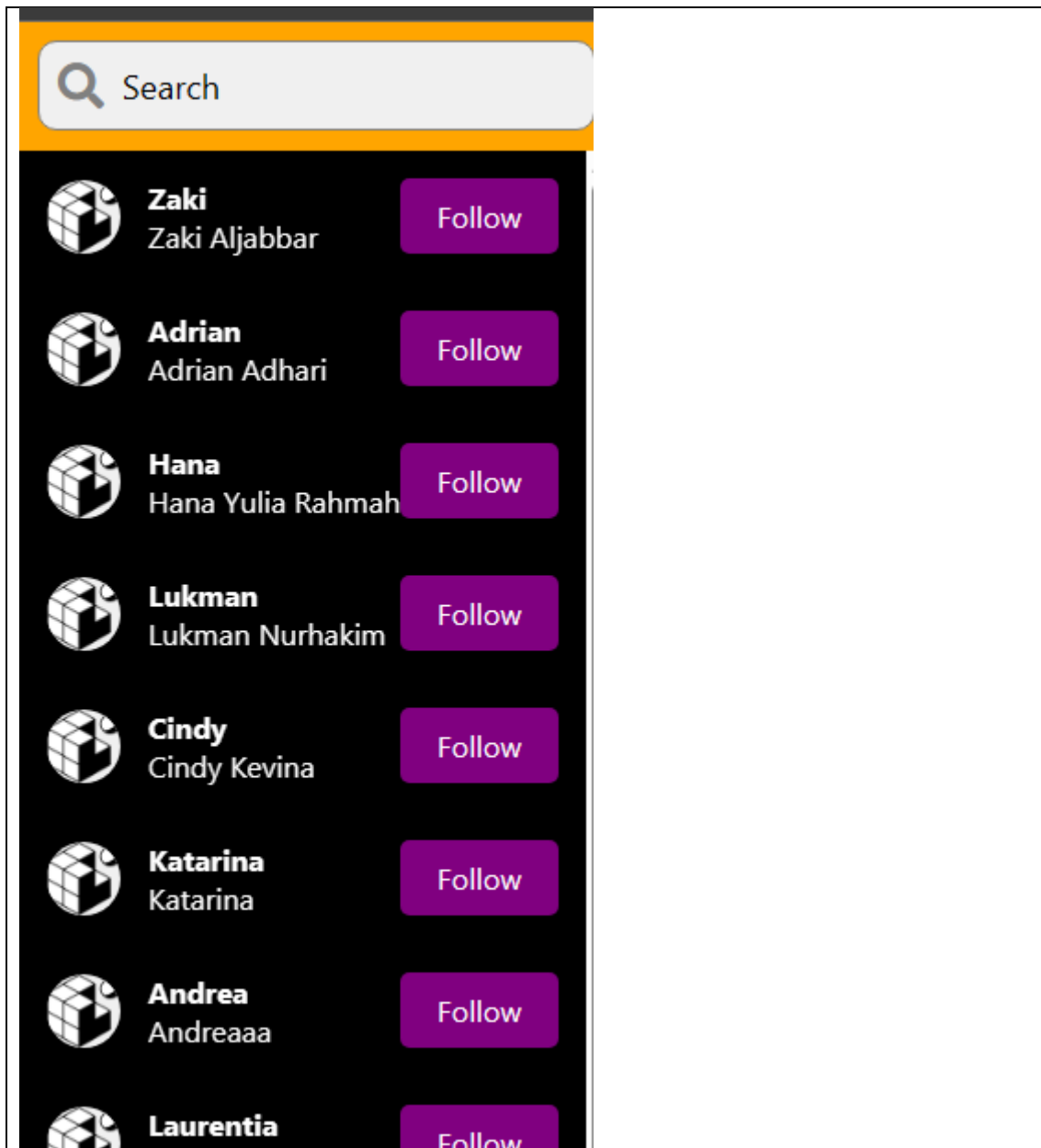
Output
ScrollView

SectionView

Search

Suggested

Katarina
Katarina
Follow

Andrea
Andreaaa
Follow

Laurentia
Laurenn
Follow

Michael
Michael F
Follow

Ferdy
Ferdy A
Follow

Followers

Katarina
Katarina
Follow

Andrea
Andreaaa
Follow

FlatList.js

6. Soal 6

Code

```jsx
import { View, Text, TextInput, StyleSheet, TouchableOpacity, Pressable
} from "react-native";
import React, { useState } from "react";
import FontAwesome5 from "react-native-vector-icons/FontAwesome5";

const LogIn = () => {
  const [email, setEmail] = useState("");
  const [password, setPassword] = useState("");
  const [loggedIn, setLoggedIn] = useState(false);

  const handleLogIn = () => {
    if (email === "212310008@student.ibik.ac.id" && password ===
"katkatar") {
```

```
        setLoggedIn(true);
    } else {
        alert("Login failed. Please check your email and password.");
    }
  };
  if (loggedIn) {
    return (
      <View>
        <Text>Ini Halaman HOME</Text>
      </View>
    );
  }

  return (
    <View style={styles.container}>
      <View style={styles.frm_row}>
        <Text style={styles.text_label}>Email </Text>
        <TextInput placeholder="npm@student.ibik.ac.id"
keyboardType="email-address" autoCorrect={false} autoCapitalize="none"
style={styles.text_input} defaultValue={email} onChangeText={(text) =>
setEmail(text)} />
      </View>
      <View style={styles.frm_row}>
        <Text style={styles.text_label}>Password</Text>
        <View
          style={{
            ...styles.text_input,
            flexDirection: "row",
            justifyContent: "space-between",
          }}
        >
          <TextInput
            secureTextEntry={true}
            placeholder="Enter your password"
            autoCorrect={false}
            style={{ ...styles.text_input, borderWidth: 0, padding: 0,
width: "90%" }}
            defaultValue={password}
            onChangeText={(text) => setPassword(text)}
          />
          <Pressable>
            <FontAwesome5 name={"eye"} size={25} color="grey" />
          </Pressable>
        </View>
      </View>
      <TouchableOpacity style={styles.btn_signin} onPress={() =>
handleLogIn()}>
        <Text style={styles.btn_signin_text}>LogIn</Text>
```

```jsx
        </TouchableOpacity>
      </View>
    );
};

export default LogIn;

const styles = StyleSheet.create({
  container: {
    padding: 20,
    backgroundColor: "white",
  },
  frm_row: { marginBottom: 15 },
  text_label: {
    fontWeight: "bold",
    marginBottom: 10,
    fontSize: 16,
  },
  text_input: {
    borderWidth: 1,
    borderColor: "grey",
    borderRadius: 5,
    padding: 10,
    fontSize: 16,
    color: "grey",
  },
  btn_signin: {
    backgroundColor: "red",
    paddingVertical: 15,
    paddingHorizontal: 10,
    borderRadius: 10,
    marginTop: 15,
  },
  btn_signin_text: { color: "white", textAlign: "center", fontSize: 16
},
});
```
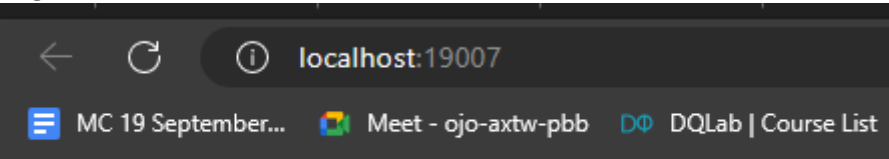
Output

Email

212310008@student.ibik.ac.id

Password

••••••••

LogIn

Page 2

← ⟳ ⓘ localhost:19007

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Ini Halaman HOME

7. Soal 7

Navigation (Button)
Page1

```jsx
import React from "react";
import { Text, View } from "react-native";
import { TouchableOpacity } from "react-native-gesture-handler";
import { DefaultNavigatorOptions } from "@react-navigation/native";

const Page1 = ({ navigation }) => {
  return (
    <TouchableOpacity onPress={() => navigation.navigate("Page2", {
name: "Katarina" })}>
      <View style={{ backgroundColor: "green", padding: 10,
borderRadius: 5, maegin: 15 }}>
        <Text style={{ color: "white", textAlign: "center" }}>click
here to see me</Text>
      </View>
    </TouchableOpacity>
  );
};

export default Page1;
```
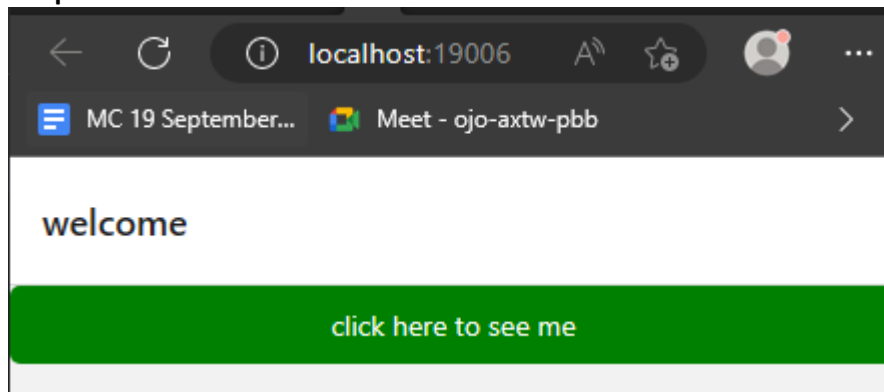
Page2

```jsx
import React from "react";
import { Text } from "react-native";
```
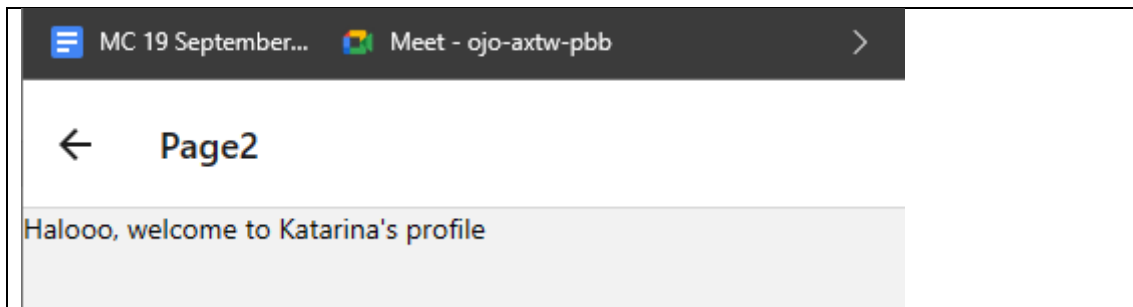
```
const Page2 = ({ navigation, route }) => {
  return <Text>Halooo, welcome to {route.params.name}'s profile</Text>;
};

export default Page2;
```

App.js

```
import { StatusBar } from "expo-status-bar";
import { StyleSheet, Text, View, TouchableOpacity } from "react-
native";
import MyFriends from "./components/Friends/MyFriends";
import { NavigationContainer } from "@react-navigation/native";
import { createNativeStackNavigator } from "@react-navigation/native-
stack";
import Page1 from "./components/Page1";
import Page2 from "./components/Page2";
import { createBottomTabNavigator } from "@react-navigation/bottom-
tabs";
import React from "react";

export default function App() {
  const Stack = createNativeStackNavigator();

  return (
    <NavigationContainer>
      <Stack.Navigator>
        <Stack.Screen name="page1" component={Page1} options={{ title:
"welcome" }} />
        <Stack.Screen name="Page2" component={Page2} />
      </Stack.Navigator>
    </NavigationContainer>
  );
}
```

Output

Page 2

← Page2

Halooo, welcome to Katarina's profile

Button Tabs Navigation

```javascript
import { StatusBar } from "expo-status-bar";
import { StyleSheet, Text, View, TouchableOpacity } from "react-native";
import MyFriends from "./components/Friends/MyFriends";
import { NavigationContainer } from "@react-navigation/native";
import { createNativeStackNavigator } from "@react-navigation/native-stack";
import Page1 from "./components/Page1";
import Page2 from "./components/Page2";
import { createBottomTabNavigator } from "@react-navigation/bottom-tabs";
import React from "react";

export default function App() {
  const Tab = createBottomTabNavigator();
  return (
    <NavigationContainer>
      <Tab.Navigator>
        <Tab.Screen name="Home" component={Page1} />
        <Tab.Screen name="Profile" component={Page2} />
      </Tab.Navigator>
    </NavigationContainer>
  );
}

const styles = StyleSheet.create({
  container: {
    flex: 1,
    backgroundColor: "#fff",
    alignItems: "center",
    justifyContent: "center",
  },
});
```

Home

Halo semua, selamat datang di halaman ini

Home   Profile

Page 2

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← Page2

Halooo, welcome to Katarina's profile