

Lesson:

Stylesheet



The StyleSheet component in React Native is used to define and manage styles for your components. It provides a way to create reusable styles and apply them to different elements in your application.

Here are a few examples of using the StyleSheet component:

Example 1: Inline Styles

```

1  import React from 'react';
2  import { View, Text, StyleSheet } from 'react-native';
3
4  const App = () => {
5    return (
6      <View style={styles.container}>
7        <Text style={styles.text}>Hello, React Native!</Text>
8      </View>
9    );
10 };
11
12 const styles = StyleSheet.create({
13   container: {
14     flex: 1,
15     justifyContent: 'center',
16     alignItems: 'center',
17     backgroundColor: '#f5f5f5',
18   },
19   text: {
20     fontSize: 24,
21     fontWeight: 'bold',
22     color: 'blue',
23   },
24 });
25
26 export default App;
```

In this example, we have a parent **View** component called **container** which is styled using the **StyleSheet.create** method. The **container** style defines the flex behavior, alignment, and background color of the container. The **text** style is applied to the **Text** component and defines the font size, font weight, and text color.

Hello, React Native!

Example 2: Using Multiple Styles

```

1  import React from 'react';
2  import { View, Text, StyleSheet } from 'react-native';
3
4  const App = () => {
5    return (
6      <View style={[styles.container, styles.background]}>
7        <Text style={[styles.text, styles.highlight]}>Hello, React Native! with multiple styling
8      </View>
9    );
10 };
11
12 const styles = StyleSheet.create({
13   container: {
14     flex: 1,
15     justifyContent: 'center',
16     alignItems: 'center',
17   },
18   background: {
19     backgroundColor: '#f5f5f5',
20   },
21   text: {
22     fontSize: 24,
23     fontWeight: 'bold',
24   },
25   highlight: {
26     color: 'blue',
27   },
28 });
29
30 export default App;

```

In this example, we have a parent **View** component called **container** which is styled using the **StyleSheet.create** method. The **background** style is defined separately and added to the **container** style using an array. Similarly, the **text** style is applied to the **Text** component and the **highlight** style is added to make the text appear in blue color.

Hello, React Native! with multiple styling

Example 3: Reusing Styles

```

1  import React from 'react';
2  import { View, Text, StyleSheet } from 'react-native';
3
4  const App = () => {
5    return (
6      <View style={styles.container}>
7        <Text style={[styles.text, styles.primary]}>Hello, React Native!</Text>
8        <Text style={[styles.text, styles.secondary]}>Welcome to the world of React Native!</Text>
9      </View>
10    );
11  };
12
13  const styles = StyleSheet.create({
14    container: {
15      flex: 1,
16      justifyContent: 'center',
17      alignItems: 'center',
18      backgroundColor: '#f5f5f5',
19    },
20    text: {
21      fontSize: 24,
22      fontWeight: 'bold',
23    },
24    primary: {
25      color: 'blue',
26    },
27    secondary: {
28      color: 'gray',
29    },
30  });
31
32  export default App;

```

In this example, we have a parent **View** component called **container** which is styled using the **StyleSheet.create** method. The **text** style is defined with a common font size and font weight. The **primary** style is used to set the text color to blue, and the **secondary** style is used to set the text color to gray. These styles are then applied to the respective **Text** components.

The **StyleSheet** component provides a convenient way to define and reuse styles in your React Native application. By encapsulating styles in a separate object, you can easily manage and apply them to your components, resulting in cleaner and more maintainable code.

Hello, React Native!

Welcome to the world of React Native!