

# Task

## Dynamic Greetings with Conditional Rendering

Create a React component that displays different greetings based on the time of the day.

### Requirements:

Use conditional rendering to display a greeting: "Good Morning", "Good Afternoon", or "Good Evening".

Calculate the current time to determine which greeting to display.

### Instructions:

Create a new component called Greeting.

Use JavaScript's Date object to get the current hour.

Display "Good Morning" if the hour is less than 12, "Good Afternoon" if the hour is between 12 and 18, and "Good Evening" if the hour is greater than 18.

### Solution –

#### App.js

```
import React from "react";
```

```
import Greeting from "../Greeting";
```

```
function App() {  
  return (  
    <div className="App">  
      <Greeting />  
    </div>  
  );  
}
```

```
export default App;
```

```
JS App.js X JS Greeting.js # index.css
dynamic-greetings-app > src > JS App.js > ...
1 import React from "react";
2 import Greeting from "../Greeting";
3
4 function App() {
5   return (
6     <div className="App">
7       <Greeting />
8     </div>
9   );
10 }
11
12 export default App;
13
```

## Greeting.js

```
import React from "react";
```

```
// Greeting Component
```

```
const Greeting = () => {
```

```
  const currentHour = new Date().getHours(); // Get the current hour
```

```
  let greeting = "";
```

```
  let greetingStyle = {};
```

```
// Determine greeting and style based on the current time
```

```
if (currentHour < 12) {
```

```
  greeting = "Good Morning";
```

```
  greetingStyle = { color: "#FFA500" }; // Orange for morning
```

```
} else if (currentHour < 18) {
```

```
  greeting = "Good Afternoon";
```

```
  greetingStyle = { color: "#00BFFF" }; // Sky blue for afternoon
```

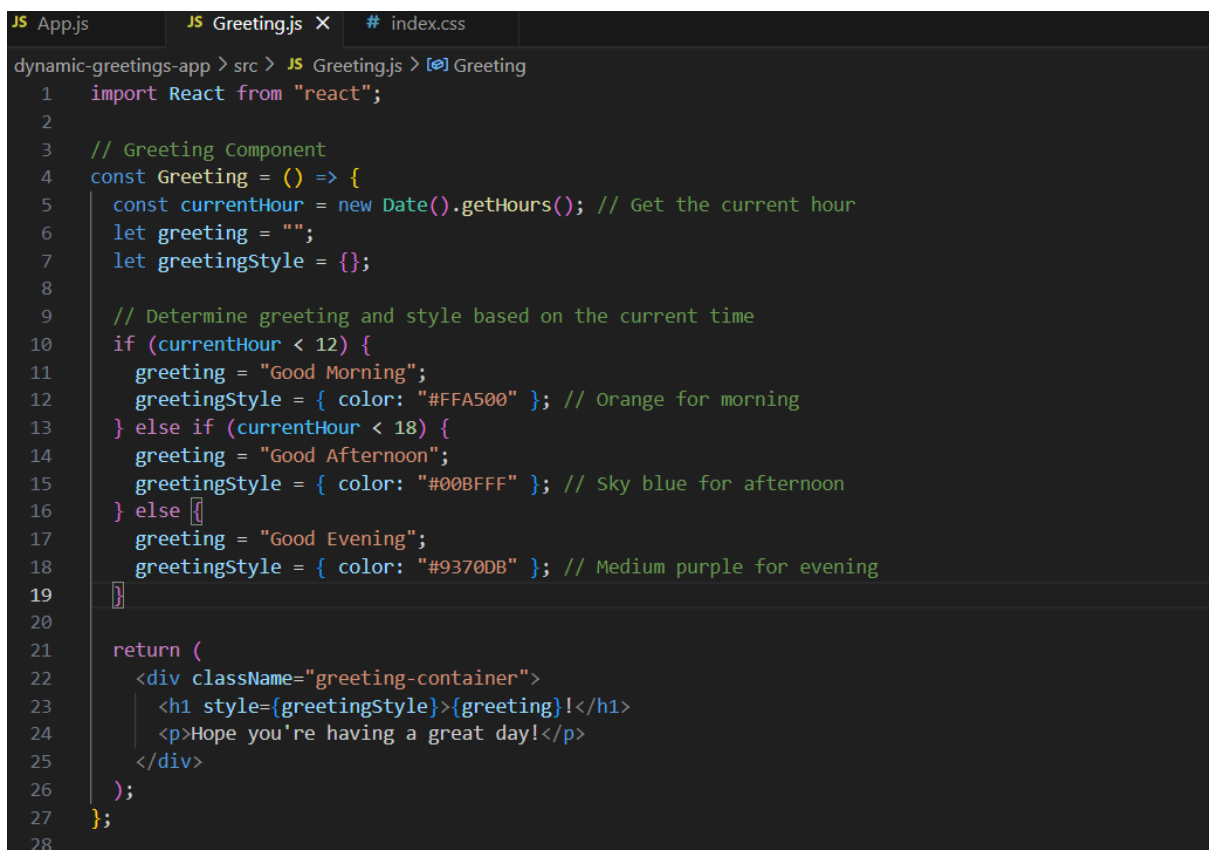
```

    } else {
      greeting = "Good Evening";
      greetingStyle = { color: "#9370DB" }; // Medium purple for evening
    }

    return (
      <div className="greeting-container">
        <h1 style={greetingStyle}>{greeting}</h1>
        <p>Hope you're having a great day!</p>
      </div>
    );
  };
}

export default Greeting;

```



The screenshot shows a code editor with three tabs: 'App.js', 'Greeting.js', and 'index.css'. The 'Greeting.js' tab is active, showing the following code:

```

dynamic-greetings-app > src > JS Greeting.js > [0] Greeting
1  import React from "react";
2
3  // Greeting Component
4  const Greeting = () => {
5    const currentHour = new Date().getHours(); // Get the current hour
6    let greeting = "";
7    let greetingStyle = {};
8
9    // Determine greeting and style based on the current time
10   if (currentHour < 12) {
11     greeting = "Good Morning";
12     greetingStyle = { color: "#FFA500" }; // Orange for morning
13   } else if (currentHour < 18) {
14     greeting = "Good Afternoon";
15     greetingStyle = { color: "#00BFFF" }; // Sky blue for afternoon
16   } else {
17     greeting = "Good Evening";
18     greetingStyle = { color: "#9370DB" }; // Medium purple for evening
19   }
20
21   return (
22     <div className="greeting-container">
23       <h1 style={greetingStyle}>{greeting}</h1>
24       <p>Hope you're having a great day!</p>
25     </div>
26   );
27 };
28

```

## Index.css

```
body {  
  margin: 0;  
  font-family: 'Arial', sans-serif;  
  background-color: #f4f4f4; /* Light background */  
  color: #333; /* Neutral text color */  
  display: flex;  
  justify-content: center;  
  align-items: center;  
  height: 100vh;  
}  
.greeting-container {  
  text-align: center;  
  background: white;  
  padding: 2rem;  
  border-radius: 12px;  
  box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);  
}  
h1 {  
  font-size: 3rem;  
  margin-bottom: 1rem;  
}  
p {  
  font-size: 1.2rem;  
  color: #555;  
}
```

```
JS App.js    JS Greeting.js    # index.css  X
dynamic-greetings-app > src > # index.css > h1
1  body {
2    margin: 0;
3    font-family: 'Arial', sans-serif;
4    background-color: #f4f4f4; /* Light background */
5    color: #333; /* Neutral text color */
6    display: flex;
7    justify-content: center;
8    align-items: center;
9    height: 100vh;
10 }
11
12 .greeting-container {
13   text-align: center;
14   background: white;
15   padding: 2rem;
16   border-radius: 12px;
17   box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
18 }
19
20 h1 {
21   font-size: 3rem;
22   margin-bottom: 1rem;
23 }
24
25 p {
26   font-size: 1.2rem;
27   color: #555;
28 }
```

## OUTPUT -

