

**Assignment 2:** Use regular expressions in JavaScript to validate the email address entered in the form. It should check for the correct format of the email and display a message to the user if the format is incorrect.

```
function validateEmail(email) {  
    const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;  
    if (emailRegex.test(email)) {  
        return true;  
    } else {  
        return false;  
    }  
}  
  
let userEmail = "test@example.com";  
  
if (validateEmail(userEmail)) {  
    console.log("Email is valid.");  
} else {  
    console.log("Email is invalid.");  
}  
  
userEmail = "invalid-email";  
  
if (validateEmail(userEmail)) {  
    console.log("Email is valid.");  
} else {  
    console.log("Email is invalid.");  
}
```