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Complition of #Task1:
Validation form using html css and javascript
source code :

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Registration Form</title>
 <link rel="stylesheet" href="stylenew.css">
</head>
<body>
 <div class="container">
  <h2>Registration Form</h2>
  <form id="registrationForm">
   <div class="form-group">
    <label for="username">Username</label>
    <input type="text" id="username" name="username" required>
    <div class="error" id="usernameError"></div>
   </div>

   <div class="form-group">
    <label for="email">Email</label>
    <input type="email" id="email" name="email" required>
    <div class="error" id="emailError"></div>
   </div>

   <div class="form-group">
    <label for="password">Password</label>
    <input type="password" id="password" name="password" required>
    <div class="error" id="passwordError"></div>
   </div>

   <button type="submit">Register</button>
  </form>
 </div>

 <script>
  const form = document.getElementById('registrationForm');

  form.addEventListener('submit', function(event) {
   event.preventDefault();
```

```javascript
    const username = document.getElementById('username');
    const email = document.getElementById('email');
    const password = document.getElementById('password');

    let isValid = true;
    document.getElementById('usernameError').textContent = '';
    document.getElementById('emailError').textContent = '';
    document.getElementById('passwordError').textContent = '';
    if (username.value.trim().length < 5) {
      document.getElementById('usernameError').textContent = 'Username must
be at least 5 characters long.';
      isValid = false;
    }
    const emailPattern = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
    if (!emailPattern.test(email.value.trim())) {
      document.getElementById('emailError').textContent = 'Please enter a valid
email address.';
      isValid = false;
    }
    if (password.value.length < 8) {
      document.getElementById('passwordError').textContent = 'Password must
be at least 8 characters long.';
      isValid = false;
    }
    if (isValid) {
      alert('Registration successful!');
      form.reset();
    }
  });
 </script>
</body>
</html>
```

CSS:

```css
body {

  font-family: Arial, sans-serif;

  background: linear-gradient(135deg, #9315d6, #e14f67);

  margin: 0;

  display: flex;

  justify-content: center;

  align-items: center;

  height: 100vh;

}
```

```css
.container {
  background: white;
  border-radius: 10px;
  padding: 20px 30px;
  box-shadow: 0 4px 10px rgba(0, 0, 0, 0.2);
  width: 100%;
  max-width: 400px;
}

h2 {
  text-align: center;
  color: #333;
  margin-bottom: 20px;
}

.form-group {
  margin-bottom: 15px;
}

label {
  display: block;
  font-size: 14px;
  color: #555;
  margin-bottom: 5px;
}

input {
  width: 100%;
  padding: 10px;
  font-size: 14px;
  border: 1px solid #ccc;
  border-radius: 5px;
  outline: none;
  transition: border-color 0.3s;
```

```css
}

input:focus {
  border-color: #ff758c;
}

.error {
  color: #ff4d4d;
  font-size: 12px;
  margin-top: 5px;
}

button {
  width: 100%;
  background: linear-gradient(135deg, #ff758c, #ff7eb3);
  color: white;
  border: none;
  padding: 10px;
  font-size: 16px;
  border-radius: 5px;
  cursor: pointer;
  transition: background 0.3s;
}

button:hover {
  background: linear-gradient(135deg, #ff7eb3, #ff758c);
}
```

OUTPUT: