Lab Assignment – 3

Create a form using HTML , CSS and Javascript

Code -HTML:

```html
<html>
<head>
  <link rel="stylesheet" href="form.css">
  <title>Lab 3</title>
</head>
<body>
    <section>
        <div class="form-box">
            <div class="form-value" id="loginForm">
                <form action="">
                    <h2>Login</h2>
                    <div class="inputbox email">
                        <ion-icon name="mail-outline"></ion-icon>
                        <input type="email" required>
                        <label for="">Email</label>
                    </div>
                    <div class="inputbox password">
                        <ion-icon name="lock-closed-outline"></ion-icon>
                        <input type="password" required required
pattern="^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(?=.*[@$!%*?&])[A-Za-z\d@$!%*?&]{8,}$">
                        <label for="">Password</label>
                    </div>
                    <div class="forget">
                        <label for=""><input type="checkbox">Remember Me   <a
href="#">Forget Password</a></label>
                    </div>
                    <button>Log in</button>
                    <div class="register">
                        <p>Don't have a account <a href="#">Register</a></p>
                    </div>
                </form>
            </div>
        </div>
    </section>
    <script src="script.js"></script>
    <script type="module"
src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.esm.js"></script>
    <script nomodule
src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.js"></script>
</body>
```

```html
</html>
```

Code-CSS:

```css
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@500&display=swap');
*{
    margin: 0;
    padding: 0;
    font-family: 'poppins',sans-serif;
}
section{
    display: flex;
    justify-content: center;
    align-items: center;
    min-height: 100vh;
    width: 100%;

    background: url('backgroundpic.jpg')no-repeat;
    background-position: center;
    background-size: cover;
}
.form-box{
    position: relative;
    width: 400px;
    height: 450px;
    background: transparent;
    border: 2px solid rgba(255,255,255,0.5);
    border-radius: 20px;
    backdrop-filter: blur(15px);
    display: flex;
    justify-content: center;
    align-items: center;

}
h2{
    font-size: 2em;
    color: #fff;
    text-align: center;
}
.inputbox{
    position: relative;
    margin: 30px 0;
    width: 310px;
    border-bottom: 2px solid #fff;
```

```css
}
.inputbox label{
    position: absolute;
    top: 50%;
    left: 5px;
    transform: translateY(-50%);
    color: #fff;
    font-size: 1em;
    pointer-events: none;
    transition: .5s;
}
input:focus ~ label,
input:valid ~ label{
top: -5px;
}
.inputbox input {
    width: 100%;
    height: 50px;
    background: transparent;
    border: none;
    outline: none;
    font-size: 1em;
    padding:0 35px 0 5px;
    color: #fff;
}
.inputbox ion-icon{
    position: absolute;
    right: 8px;
    color: #fff;
    font-size: 1.2em;
    top: 20px;
}
.forget{
    margin: -15px 0 15px ;
    font-size: .9em;
    color: #fff;
    display: flex;
    justify-content: space-between;
}

.forget label input{
    margin-right: 3px;

}
.forget label a{
```

```css
        color: #fff;
        text-decoration: none;
}
.forget label a:hover{
        text-decoration: underline;
}
button{
        width: 100%;
        height: 40px;
        border-radius: 40px;
        background: #fff;
        border: none;
        outline: none;
        cursor: pointer;
        font-size: 1em;
        font-weight: 600;
}
.register{
        font-size: .9em;
        color: #fff;
        text-align: center;
        margin: 25px 0 10px;
}
.register p a{
        text-decoration: none;
        color: #fff;
        font-weight: 600;
}
.register p a:hover{
        text-decoration: underline;
}
```

Code-Javascript:

```javascript
document.getElementById("loginForm").addEventListener("submit", function(event) {
    var emailInput = document.querySelector(".email input").value;
    var passwordInput = document.querySelector(".password input").value;

    if (!isValidEmail(emailInput)) {
        alert("Please enter a valid email address in the format <letters><8-
digit-number>@snuchennai.edu.in.");
        event.preventDefault();
    }

    if (!isValidPassword(passwordInput)) {
```

```javascript
        alert("Please enter a valid password with at least 8 characters,
including at least one special character, one uppercase letter, one lowercase
letter, and one number.");
        event.preventDefault();
    }
});

function isValidEmail(email) {
    var emailPattern = /^[A-Za-z]+[0-9]{8}@snuchennai\.edu\.in$/;
    return emailPattern.test(email);
}

function isValidPassword(password) {
    if (!/^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(?=.*[@$!%*?&])[A-Za-
z\d@$!%*?&]{8,}$/.test(password)) {
        var proceed = confirm("Your password does not meet the required criteria.
Do you want to proceed anyway?");
        return proceed;
    }
    return true;
}
var userName = prompt("Please enter your name:");
if (userName) {
    alert("Welcome, " + userName + "! You can now log in.");
}
```

Output Screenshots :

This page says

Please enter a valid email address in the format <letters> <8-digit-number>@snuchennai.edu.in.

OK

Login

Email

harshini@gmail.com

Password

•••••••••••

Remember Me Forget Password

Log in

Don't have a account **Register**

Login

Email

harshini@snuchennai.edu.in

Password

••••••••

⚠ Please match the requested format.

Log in

Don't have a account **Register**

Login

Email

harshini21110429@snuchennai.edu

Password

•••••••••••

Remember Me Forget Password

Log in

Don't have a account **Register**