```html
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    *** MOBILE VALIDATION ***
    <form>
        <input id="in1" placeholder="Mobile Number">
        <label  id="label" style="color: red;visibility:hidden
;"></label>


        <br>
        <button type="button" id="btn1" onclick="f1()">Click
Me</button>
    </form>
    <script>
        function f1(){
            var regx=/^[7-9]\d{9}$/;
            //^ helps in denoting starting of string and $ for
end of string {}used to repeat same thing for multiple times

            var str=document.getElementById("in1").value;
            if(regx.test(str))
            {
                var str=document.getElementById("label");
                str.style.visibility="visible";
```

```
                str.innerHTML="Valid"
            }
            else{
                var str=document.getElementById("label");
                str.style.visibility="visible"
                str.innerHTML="Invalid"
            }
        }
    </script>


     *** EMAIL VALIDATION ***


    email validation is same as mobile number validation
except var regx;


    var regx=//


    -->


     *** FADEIN FADEOUT *** -->


    <script>


        function f1() {


            // let
str=document.getElementById("text").style.opacity;
```

```javascript
        var
str=Number(window.getComputedStyle(text).getPropertyValue("op
acity"));

        //to get value of a tag i.e like opacity or color
we need to use
        //window.getComputedStyle(mention id of
element).getPropertyValue(which property we nee value for i.e
opacity)

        if(str>0)
        {

            str=str-0.1;

document.getElementById("text").style.opacity=str;
        }
        else{
            clearInterval(s);
        }

    }
    function f2() {
        var
str=Number(window.getComputedStyle(text).getPropertyValue("op
acity"));

        //to get value of a tag i.e like opacity or color
we need to use
```

```javascript
            //window.getComputedStyle(mention id of
element).getPropertyValue(which property we nee value for i.e
            //opacity


            if(str<1)

            {


            str=str+0.1;
            document.getElementById("text").style.opacity=str;

            }
            else{
            clearInterval(s);

            }


        }
        function fadeout() {


            s=setInterval(f1,20);//repeats the function f1 after
200ms which makes the opacity decrease smootly




        }
        function fadeIn(){
            s=setInterval(f2,20);
        }
    </script>


    <button id="fadeout" type="button"
onclick="fadeout()">FadeOut</button>
```

```html
    <p id="text">SAKETH</p>
    <button id="fadein" type="button"
onclick="fadeIn()">FadeIn</button> -->



</body>


</html>
```