**Lab 6**

**R. Harini**

**18BCE1010**

**Prof. Sandhya P**

**Code:**

<html>

    <head>

        <title>Bike Registration</title>

        <script>

            function check(){

                var n=/^[A-Z][a-z]/;

                var name=document.getElementById("name").value;

                if (!n.test(name)){

                    alert("Enter a valid name");

                }

                var m=/^[1-9]{3}[0-9]{7}$/;

                var mob=document.getElementById("mob").value;

                if (!m.test(mob)){

                    alert("Enter a valid mobile number");

                }

                var a=/^[0-9]{12}$/;

                var aad=document.getElementById("aad").value;

                if (!a.test(aad)){

                    alert("Enter a valid aadhar number");

                }

                var p=/^[A-Z]{5}[0-9]{4}[A-Z]$/;

                var pan=document.getElementById("pan").value;

                if (!p.test(pan)){

                    alert("Enter a valid PAN Number");

                }

                if(!ValidCaptcha()){

                    alert("Incorrect Captcha");

                }

                var z=/^[0-9]{5}/;

                var zip=document.getElementById("zip").value;

                if (!z.test(zip)){

                    alert("Enter a valid zip code");

                }

                var e=/^[a-z]+([a-z]|[0-9]|\_|.)\*@gmail.com/;

                var email=document.getElementById("email").value;

                if (!e.test(email)){

                    alert("Enter a valid email ID");

                }

                var c=/(^4[0-9]{12})|(^5[0-9]{15})|(^3(4|7)[0-9]{13})|(^6[0-9]{15})|(^3(0|6|8)[0-9]{12})/;

                var cc=document.getElementById("cc").value;

                if (!c.test(cc)){

                    alert("Enter a valid Credit Card syntax");

                }

            }

            function Captcha(){

                var alpha = new Array('A','B','C','D','E','F','G','H','I','J','K','L','M','N','O','P','Q','R','S','T','U','V','W','X','Y','Z','a','b','c','d','e','f','g','h','i','j','k','l','m','n','o','p','q','r','s','t','u','v','w','x','y','z');

                     var i;

                     for (i=0;i<6;i++){

                       var a = alpha[Math.floor(Math.random() \* alpha.length)];

                       var b = alpha[Math.floor(Math.random() \* alpha.length)];

                       var c = alpha[Math.floor(Math.random() \* alpha.length)];

                       var d = alpha[Math.floor(Math.random() \* alpha.length)];

                       var e = alpha[Math.floor(Math.random() \* alpha.length)];

                       var f = alpha[Math.floor(Math.random() \* alpha.length)];

                       var g = alpha[Math.floor(Math.random() \* alpha.length)];

                      }

                    var code = a + ' ' + b + ' ' + ' ' + c + ' ' + d + ' ' + e + ' '+ f + ' ' + g;

                    document.getElementById("cap").value = code

            }

            function ValidCaptcha(){

                      var string1 = removeSpaces(document.getElementById('cap').value);

                      var string2 = removeSpaces(document.getElementById('txt').value);

                      if (string1 == string2){

                        return true;

                      }

                      else{

                        return false;

                      }

            }

            function removeSpaces(string){

                    return string.split(' ').join('');

            }

        </script>

    </head>

    <body onload="Captcha()">

        <h1><center>Bike Purchase</center></h1>

        <form name="Reg">

            <b>Name of the Customer:<br><input type="text" id="name" >

            <br><br>

            Mobile number:<br><input type="number" id="mob">

            <br><br>

            Aadhar No.:<br><input type="number" id="aad">

            <br><br>

            PAN No.:<br><input type="text" id="pan">

            <br><br>

            Captcha:<br><input type="text" id="cap">

            <input type="button" id="refresh" value="Refresh" onclick="Captcha()">

            <br>

            <br><input type="text" id="txt">

            <br><br>

            ZIP Code:<br><input type="number" id="zip">

            <br><br>

            Email:<br><input type="email" id="email">

            <br><br>

            Credit Card: <br><input type="number" id="cc">

            <br><br>

            </b>

        </form>

        <input type="button" value="Submit" onclick="check()">

    </body>

</html>

**Screenshots:**



