1.a)Using CSS change paragraph colour into blue and align into center
b)JavaScript program to illustrate digital clock
2.a)Html registration form containing username,email id and submit button
b)JavaScript program to validate those
3.a)Html registration form containing username,mobile number and submit button
b)JavaScript program to validate those
4.a)Html registration form containing mobile number,email id and submit button
b)JavaScript program to validate those
5.a)Html registration form containing username,email id,Mobile number and submit button
b)JavaScript program to display all those in alert boxes
6.a)Using radio button retreive gender and hobbies by using choice box
b) JavaScript program to validate those
7.a)Using radio button,display three items(red,green,blue)
b)Whenever user select a button we need to change background color of the document by using the value.

1a.

```
<html>
<head>
<style>
        p{
                color:blue;
                text-align:center;
        }
</style>
 </head>
<body>
<div>
<p id="hello">The issue being ignored the most in the recent times is the children felling into the borewells and are not saved in time
</p>
</div>
</body>
```

1b.

```
<html>
<body onload="display()">
<h1 id="demo" style="color:blue;text-align:center"></h1>
<script type="text/javascript">

  function display()
  {
   var d=new Date();
   var hrs=d.getHours();
```

```
      var mins=d.getMinutes();
      var secs=d.getSeconds();
      var time=hrs+" : "+mins+" : "+secs;
      document.getElementById("demo").innerHTML=time;
      var tim=setTimeout(display,500);
    }
 </script>
</body>
</html>
```

```
<!DOCTYPE html>
<html>

<head>
   <script>
     function validate() {
        var valid = false;
        var msg = "";
        var username = document.getElementById("uname").value;
        var emailid = document.getElementById("email").value;
        var u_reg = new RegExp("^[A-Z][A-Za-z]{5,}$");
        var em_reg = new RegExp("^[a-zA-Z][a-zA-Z\\d]+@[a-z]+\\.(com|co.in|org|ac.in)$");
        if (!username.match(u_reg))
           msg = "Username is invalid";
        else if (!emailid.match(em_reg))
           msg = "Invalid email";
        if (msg.length > 0) { alert(msg); }
        else
           valid = true;
        return valid;
     }
   </script>
</head>

<body>
   <form name="rf" action="Desert.jpg" onsubmit="return validate()">
      <p><label for="uname">Username<input type="text" id="uname"
name="uname"></label> </p>
      <p> <label for="email">Email<input type="text" id="email" name="email" /> </p>
      <p><input type="submit" value="Register"> </p>
   </form>
</body>
```

```
</html>
```

```
<!DOCTYPE html>
<html>

<head>
   <script>
      function validate() {
         var valid = false;
         var msg = "";
         var username = document.getElementById("uname").value;
         var mobile = document.getElementById("phno").value;
         var u_reg = new RegExp("^[A-Z][A-Za-z]{5,}$");
         var mob_reg = new RegExp("^[8|9][\\d]{9}$");
         if (!username.match(u_reg))
            msg = "Username is invalid";
         else if (!mobile.match(mob_reg))
            msg = "Invalid Mobile number";
         if (msg.length > 0) { alert(msg); }
         else
            valid = true;
         return valid;
      }
   </script>
</head>

<body>
   <form name="rf" action="Desert.jpg" onsubmit="return validate()">
      <p><label for="uname">Username<input type="text" id="uname"
name="uname"></label> </p>
      <p><label for="phno">MobileNo<input type="text" id="phno" name="phno" /> </p>
      <p><input type="submit" value="Register"> </p>
   </form>
</body>

</html>
```

```
<!DOCTYPE html>
<html>

<head>
   <script>
```

```
        function validate() {
            var valid = false;
            var msg = "";
            var emailid = document.getElementById("email").value;
            var mobile = document.getElementById("phno").value;
            var em_reg = new RegExp("^[a-zA-Z][a-zA-Z\\d]+@[a-z]+\\.(com|co.in|org|ac.in)$");
            var mob_reg = new RegExp("^[8|9][\\d]{9}$");
            if (!username.match(em_reg))
                msg = "Email is invalid";
            else if (!mobile.match(mob_reg))
                msg = "Invalid Mobile number";
            if (msg.length > 0) { alert(msg); }
            else
                valid = true;
            return valid;
        }
    </script>
</head>

<body>
    <form name="rf" action="Desert.jpg" onsubmit="return validate()">
        <p> <label for="email">Email<input type="text" id="email" name="email" /> </p>
        <p><label for="phno">MobileNo<input type="text" id="phno" name="phno" /> </p>
        <p><input type="submit" value="Register"> </p>
    </form>
</body>

</html>
```

<mark>5a 5b.</mark>
```
<!DOCTYPE html>
<html>

<head>
    <script>
        function validate() {
            var valid = false;
            var msg = "";
            var emailid = document.getElementById("email").value;
            var mobile = document.getElementById("phno").value;
            var username = document.getElementById("uname").value;
            if (username.length > 0) { alert(`Your name is ${username}\nYour MobileNumber is
${mobile}\nYour Emailid is ${emailid}\n`); }
            else { alert(`Please enter all Details`); }
```

```
    }
  </script>
</head>

<body>
  <form name="rf" onsubmit="validate()">
    <p><label for="uname">Username<input type="text" id="uname"
name="uname"></label> </p>
    <p> <label for="email">Email<input type="text" id="email" name="email" /> </p>
    <p><label for="phno">MobileNo<input type="text" id="phno" name="phno" /> </p>
    <p><input type="submit" value="Register"> </p>
  </form>
</body>

</html>
```

6a 6b.

```
<!DOCTYPE html>
<html>

<head>

</head>

<body>
  <form name="rf" action="Desert.jpg" onsubmit="validate()">
    <p><label for="gender">
        <input type="radio" name="r" id="male" value="male">Male
        <input type="radio" name="r" id="female" value="female">Female </p>
    <p><label for="hobbies">Choose hobbies:</label>

      <select name="hobbies" id="hobbies">
        <option value="Cricket">Cricket</option>
        <option value="Reading">Reading</option>
        <option value="Singing">Singing</option>
        <option value="Dancing">Dancing</option>
      </select>
    </p>
    <p><input type="submit" value="Submit"> </p>
  </form>
  <script>
    var hobby = document.getElementById("hobbies").value;
    function validate() {
      if (!document.rf.r[0].checked && !document.rf.r[1].checked)
```

```
        alert("select gender")
        alert(`Hobby is ${hobby}`);
      }
   </script>
</body>

</html>
```

```
<html>

  <body>
   <form name="cf" action="">
Red
 <input type="radio" name="red" id="red"
   oninput="f1()"/>
Green   <input type="radio" name="green" id="green"
   oninput="f2()"/>
Blue   <input type="radio" name="blue" id="blue"
   oninput="f3()"/>
</form>
  <h1 id="para"> Here is some text </h1>
    <script>

     function f1()
     {

     document.body.style.backgroundColor='red';
      }
    function f2()
    {
        document.body.style.backgroundColor='green';
    }
        function f3()
    {

     document.body.style.backgroundColor='blue';
     }
    </script>
  </body>
```