2)(A)Internal CSS

```html
<html>
<head>
  <title>Sign in</title>
  <style>
body{
  background-image:linear-gradient(to top,rgba(0,0,0,0.2)50%,rgba(0,0,0,0.2)50%), url("1.jpg");
  margin: 0px;
  background-size:100%;
  background-position:center;
  min-height: 100vh;
  background-repeat: no-repeat;
  overflow: hidden;
}
.s{
  margin-top: 100px;
  padding: 10px;
}
.a1{
  position: relative;
  top: 170px;
  left:850px;
  block-size: 30px;
}
.a2{
  position: relative;
  top:230px;
  left: 653px;
  block-size: 30px;
}
button{
  position: relative;
  top:280px;
  left:530px;
}
header{
  color: white;
  position: relative;
  top: 250px;
  left: 860px;
  font-size: 50px;
  font-weight: bold;
}
  </style>
</head>
<body>
  <header>SIGN-IN</header>
  <input type="name" placeholder="USERNAME" class="s a1">
  <input type="name" placeholder="PASSWORD" class="s a2">
  <button>SUBMIT</a></button>
</body>
</html>
```

2(b)External css

```html
htmlfile:
<html>
  <head>
    <title>Amazon Sign in</title>
    <link rel="Stylesheet" href="sty.css">
  </head>
  <body>
    <div>
      <h1><u>SIGN-IN</u></h1>
      <input type="name" placeholder="USERNAME" class="s a1">
      <input type="name" placeholder="PASSWORD" class="s a2">
      <button>submit</button>
    </div>
  </body>
</html>
```

```css
css file:
body{
  background-image:linear-gradient(to top,rgba(0,0,0,0.2)50%,rgba(0,0,0,0.2)50%), url("1.jpg");
  margin: 0px;
  background-size:100%;
  background-position:center;
  min-height: 100vh;
  background-repeat: no-repeat;
  overflow: hidden;
}
.s{
  margin-top: 100px;
  padding: 10px;
}
.a1{
  position: relative;
  top: 170px;
  left:850px;
  block-size: 25px;
}
.a2{
  position: relative;
  top:230px;
  left: 653px;
  block-size: 25px;
}
button{
  position: relative;
  top:280px;
  left:530px;
}
h1{
  color: black;
  position: relative;
  top: 250px;
  left: 860px;
  font-size: 50px;
  font-weight: bold;
}
```

2(c)inline css

```html
<html>
<body>
<h1 style="color:blue;text-align:center;">I AM NARESH </h1>
<p style="color:red;">I AM FROM TRICHY</p>
</body>
</html>
```

3)java script form validation

```html
<html>
<body>
<script>
function validateform()
{
var name=document.myform.name.value;
var email=document.myform.email.value;
var number=document.myform.number.value;
if (name==null || name=="")
{
alert("Name can't be blank");
return false;
}
else if(email==null || email=="")
{
alert("Email cannot be blank");
return false;
}
else if(number.length<10 || number=="")
{
alert("Mobile number cannot be less than 10.");
return false;
}
}
</script>
<body>
<form name="myform" method="post" action="" onsubmit="return validateform()" >
Name: <input type="text" name="name"><br/>
Email ID: <input type="email" name="email"><br/>
Mobile Number: <input type="text" name="number"><br/>
<input type="submit" value="submit" >
</form>
</body>
</html>
```

4)working with xml and css

```xml
xml.file:
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="no.css"?>
<studentdetails>
  <header>STUDENT DETAILS</header>
  <student>
    <name>NARESH N </name>
    <rollno>ROLLNO:21S125068</rollno>
    <regno>REGNO:41120123</regno>
    <dept>DEPT:BTECH.IT</dept>
  </student>
  <student>
    <name>NAVEEN KUMAR S</name>
    <rollno>ROLLNO:21S125064</rollno>
    <regno>REGNO:41120126</regno>
    <dept>DEPT:BTECH.IT</dept>
  </student>
    <student>
    <name>KISHOR S</name>
    <rollno>ROLLNO:21S125054</rollno>
    <regno>REGNO:41120095</regno>
    <dept>DEPT:BTECH.IT</dept>
  </student>
    <student>
    <name>KAMALESH K</name>
    <rollno>ROLLNO:21S125048</rollno>
    <regno>REGNO:41120083</regno>
    <dept>DEPT:BTECH.IT</dept>
  </student>
</studentdetails>
```

```css
css.file
moviedetails{
  color: white;
  background-color : gray;
  width: 100%;
}
header{
  color: white;
  font-size : 40px;
  background-color : rgb(197, 25, 25);
}
header,name,rollno,regno,dept {
  display:grid;
}
name {
  font-size : 25px;
  font-weight : bold;
}
rollno,regno,dept {
  font-size : 20px;
  font-weight: lighter;
}
```

5)jquery selectors

```html
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery.min.js"></script>
<script>
$(document).ready(function(){
  $("#hide").click(function(){
  $("p").hide();
  });
  $("#show").click(function(){
  $("p").show();
  });
});
</script>
</head>
<body>
<h2>This is a heading</h2>
<p>This is a paragraph.</p>
<p>This is another paragraph.</p>
<button id="hide">Click me to hide paragraphs</button>
<button id="show">Click me to show para</button>
</body>
</html>
```

6)Angular js directives

```html
<html>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>
<body>
<div ng-app="" ng-init="firstName='John'">
<p>Input something in the input box:</p>
<p>Name: <input type="text" ng-model="firstName"></p>
<p>You wrote: {{ firstName }}</p>
</div>
</body>
</html>
```

7)Angular js expression

```html
<html>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>
<body>
<div ng-app>
<p>My first expression: {{ 5 + 5 }}</p>
<p ng-init="a=100;b=50">The Sum is: {{(a+b)}}</p>
</div>
</body>
</html>
```

8)jquery events and effects

```html
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery.min.js"></script>
<script>
$(document).ready(function(){
  $("#flip").click(function(){
  $("#panel").slideDown("slow");
  });
});
</script>
<style>
#panel, #flip {
  padding: 5px;
  text-align: center;
  background-color: #e5eecc;
  border: solid 1px #c3c3c3;
}
#panel {
  padding: 50px;
  display: none;
}
</style>
</head>
<body>
<div id="flip">Click to slide down panel</div>
<div id="panel">hii gusy i am naresh</div>
</body>
</html>
```

9)working with AJAX

```html
htmlfile:
<html>
<body>
<div id="demo">
<h1>The XMLHttpRequest Object</h1>
<button type="button" onclick="loadDoc()">Change Content</button>
</div>
<script>
function loadDoc() {
  var xhttp = new XMLHttpRequest();
  xhttp.onreadystatechange = function() {
  if (this.readyState == 4 && this.status == 200) {
  document.getElementById("demo").innerHTML =this.responseText;
  }
  };
  xhttp.open("GET", "ajax.txt", true);
  xhttp.send();
}
</script>
</body>
</html>
```

```
ajax.text:
<h1>AJAX</h1>
<p>AJAX is not a programming language.</p>
<p>AJAX is a technique for accessing web servers from a web page.</p>
<p>AJAX stands for Asynchronous JavaScript And XML.</p>
```

10) Retrive xml data from web server

```html
htmlfile:
<html>
<body bgcolor="sky blue" style="position: relative; top: 140px">
<center>
<h1>
<center>
<font face="Arial">The XMLHttpRequest Object Form XML File</font>
</center>
</h1>
<p><b>Status: </b><span id="A1"></span></p>
<p><b>Status Text: </b><span id="A2"></span></p>
<p><b>Response:</b><span id="A3"></span></p>
<button type="button" onclick="loadDoc('assign.xml')">Click here</button>
<script>
function loadDoc(url) {
  var xhttp = new XMLHttpRequest()
  xhttp.onreadystatechange = function () {
  if (this.readyState == 4 && this.status == 200) {
  document.getElementById('A1').innerHTML = this.status
  document.getElementById('A2').innerHTML = this.statusText
  document.getElementById('A3').innerHTML = this.responseText
  }
  }
  xhttp.open('GET', url, true)
  xhttp.send()
}
</script>
</center>
</body>
</html>
```

```xml
xml.file
<? xml version='1.0' encoding='UTF-8'?><info>
<name>naresh n </name><br><reg>41120123</reg><br>
<dept>B.TECH IT(3rd yr)</dept><br> <college>Sathyabama Institute of Science And Technology</college><br><area>Chennai</area>
<info/>
```

11)php form handling

```html
htmlfile:
<html>
<head>
<title> PHP FORM-HANDLING</title>
</head>
<body>
<form action="welcome.php" method="post">
Name: <input type="text" name="name"><br>
E-mail: <input type="text" name="email"><br>
Phone No:<input type="text" name="phno" maxlength="10"><br>
Address:<input type="text" name="address"><br>
<input type="submit">
</form>
</body>
</html>
```

```php
php file:
<html>
<body>
Welcome <?php echo $_POST["name"]; ?><br>
Your email address is: <?php echo $_POST["email"]; ?>
Phone Number: <?php echo $_POST['phno'];?>
Address: <?php echo $_POST['address'];?>
</body>
</html>
```

12)php database connectivity

```html
html.file:
<html>
<head>
<title> Database Connectivity</title>
</head>
<style>
body {
  background-image: url('s.jpg') ;
  background-repeat: no-repeat;
  background-attachment: fixed;
  background-size: cover;
}
</style>
<body>
<center>
<font color="black">
<h1> DATABASE CONNECTIVITY </h1>
<br>
<br>
<form action="data.php" method="post">
<b>Name: </b><input type="text" name="name" id="name"><br><br>
<b>RegNo: </b><input type="text" name="regno" id="regno"><br><br>
<input type="submit">
</font>
</center>
</form>
</body>
</html>
```

```php
php file:
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "register";

$name=$_POST['name'];
$regno=$_POST['regno'];
// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}

$sql = "INSERT INTO datainfo (Name, RegNo)
VALUES ('$name', '$regno')";

if ($conn->query($sql) === TRUE) {
  echo "New record created successfully";
}
else {
  echo "Error: " . $sql . "<br>" . $conn->error;
}
$conn->close();
?>
```