Web Technologies

Assignment - 6

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20MCMB15

MTECH-IT

-: Submitted to :-

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Question 1

index.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
 <title>SignUp using jquery | 20MCMB15</title>
 <link rel="stylesheet" type="text/css" href="main.css">
 <meta content="text/html;charset=utf-8" http-equiv="Content-Type">
   <meta content="utf-8" http-equiv="encoding">

 <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">
   <script type="text/javascript"
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></s
cript>
   <script
src="http://ajax.aspnetcdn.com/ajax/jquery.validate/1.11.1/jquery.validate
.min.js"></script>
   <script type="text/javascript" src="validate_signup.js"></script>
</head>

<center>
 <form name="registration" method="post" action="">
   <br>
   <h1>Registration for Moodle Account</h1><br>

   <input type="email" name="email" placeholder="Email"><br>

   <input type="text" name="uname"  placeholder="User Name"><br>

   <input type="password" name="password" id="password"
placeholder="Password"><br>

   <input type="password" name="repassword"  placeholder="Confirm
Password"><br>

   <input type="submit" class="submit" value="Register">
   <br><br>
```

```html
  </form>
</center>
</html>
```

main.css

```css
body{
   background-image: -webkit-linear-gradient(#0099ff 0%, #ffffff 100%);
   background-image: -moz-linear-gradient(#0099ff 0%, #ffffff 100%);
   background-image: -o-linear-gradient(#0099ff 0%, #ffffff 100%);
   background-image: linear-gradient(#0099ff 0%, #ffffff 100%);
 }
 form {
    margin: 100px;
    background:  linear-gradient(to bottom, #0099ff 25%, #ffffff 100%);
 }
 h1{
  padding:10px;
  font:25px Oswald;
  text-transform:uppercase;
  color: #fff;
  margin:0px;
  background-color: #000;
 }

 input[type="text"],input[type="email"],input[type="password"]{
  width:28%;
  padding:15px 0px 15px 8px;
  border-radius:5px;
  background:rgba(0,0,0,0.2);
  border:1px solid rgba(0,0,0,1);
  margin-bottom:10px;
  color:#ffffff;
  font-size: 20px;
  }
 input[type="submit"]{
  padding:20px;
  border-radius:5px;
  font:14px Oswald;
```

```css
    font-weight: bold;
    color:#FFF;
    background: #000000;
    text-transform:uppercase;
    border:1px solid #000;
    opacity:0.7;
}
input:focus{
    box-shadow:inset 4px 6px 10px -4px rgba(0,0,0,0.7), 0 1px 1px -1px
rgba(255,255,255,0.3);
    background:rgba(0,0,0,0.3);
}
input[type="submit"]:hover{
    opacity:1;
    cursor:pointer;
}
```
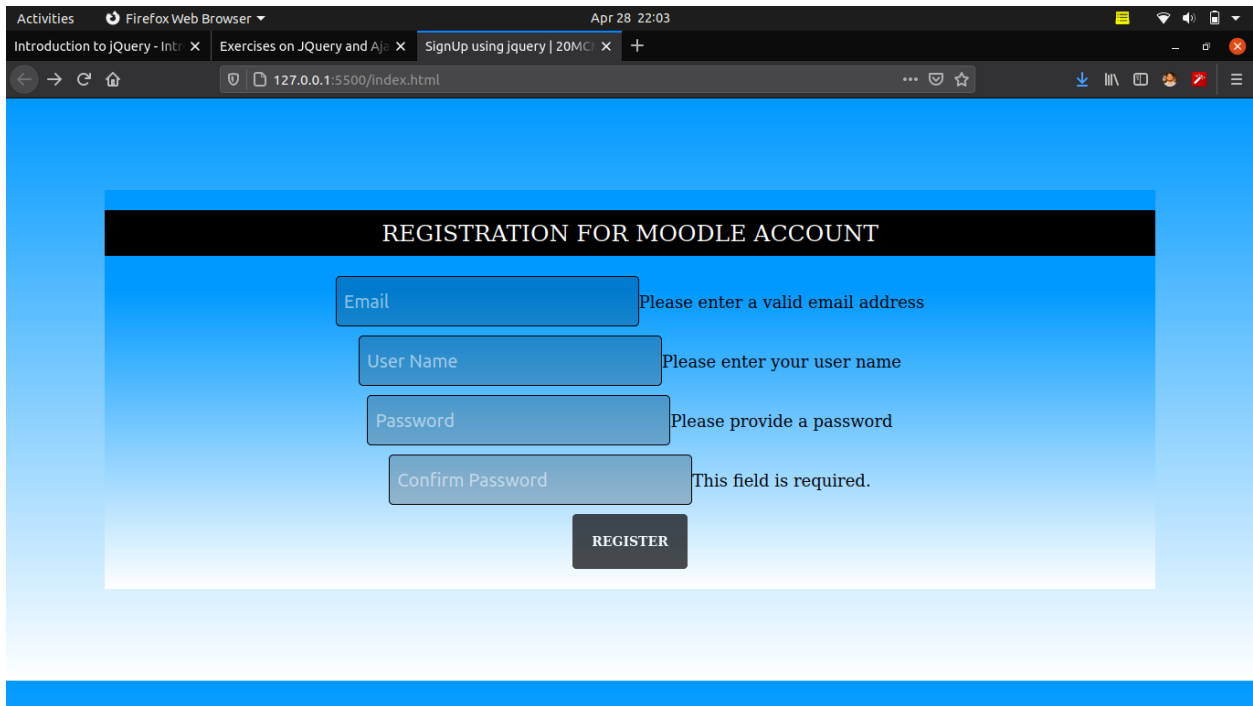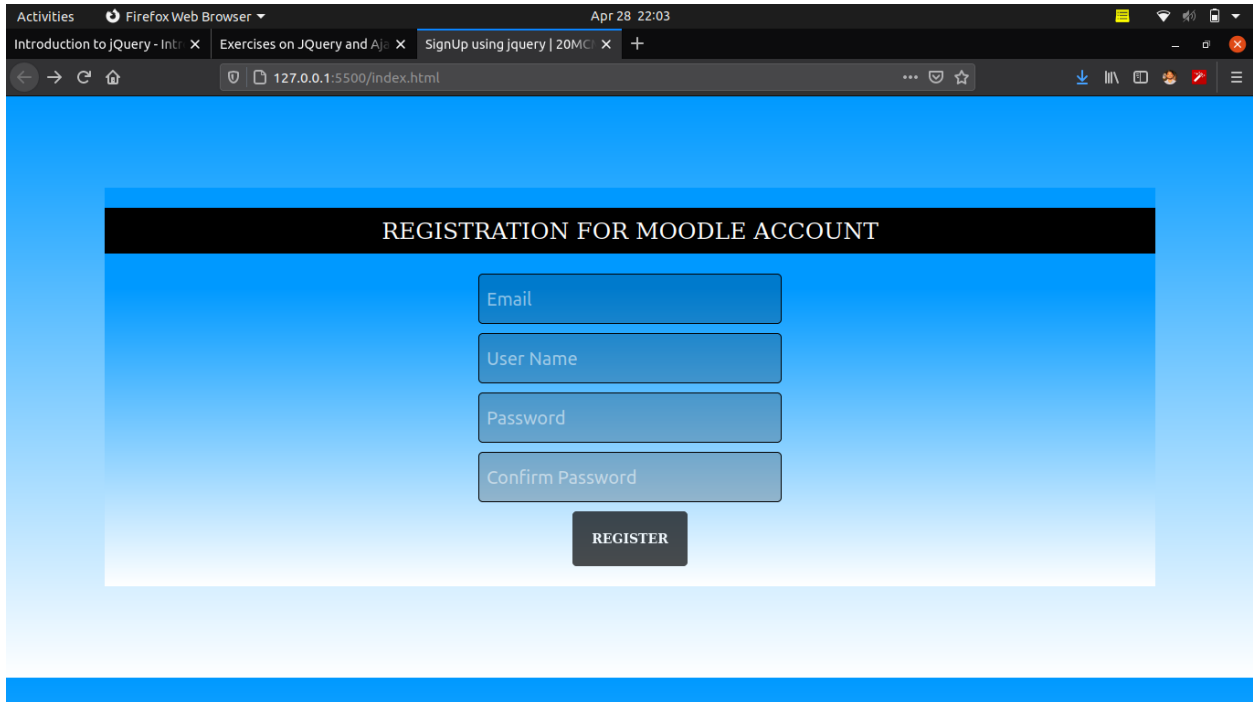
validate_signup.js

```javascript
$(function() {
    // Initialize form validation on the registration form.
    // It has the name attribute "registration"
    $("form[name='registration']").validate({
        // here specified validation rules
        rules: {

            uname: "required",
            email: {
                required: true,
                // It will match bu default email input pattern
                email: true
            },
            password: {
                required: true,
                minlength: 8
            },
            repassword: {
                equalTo : "#password"
            }
        },
        // error messages for not valid input
```
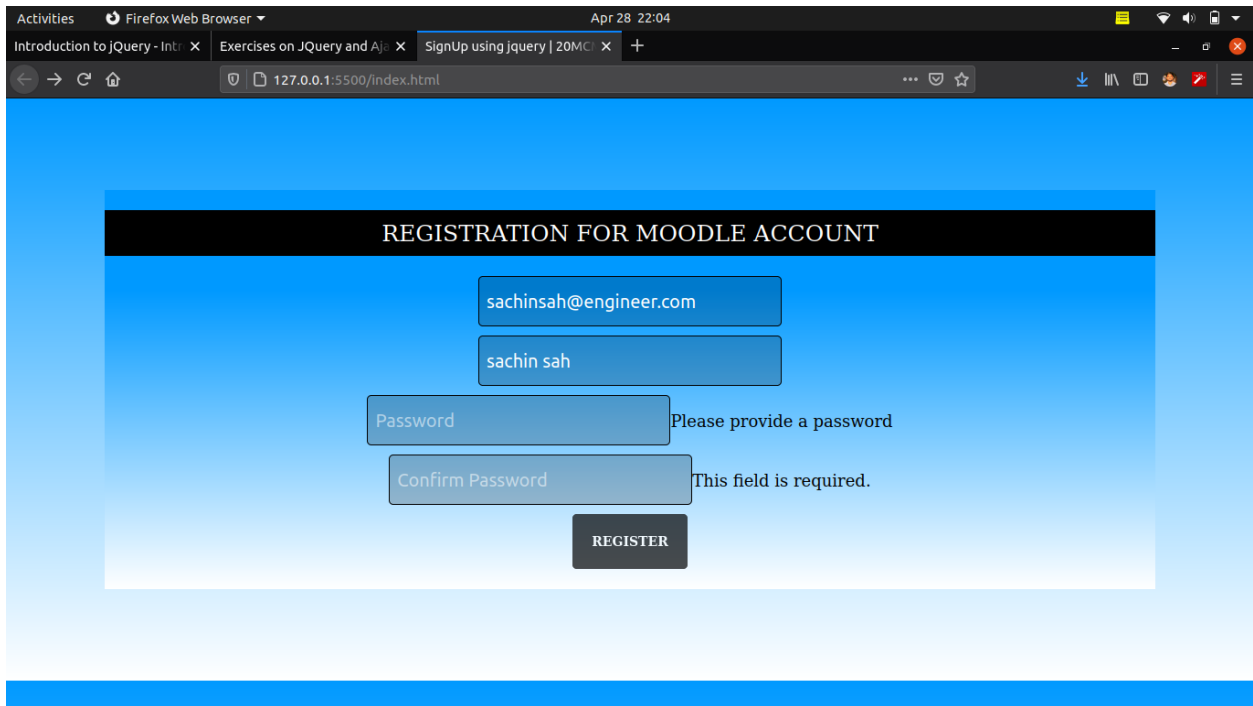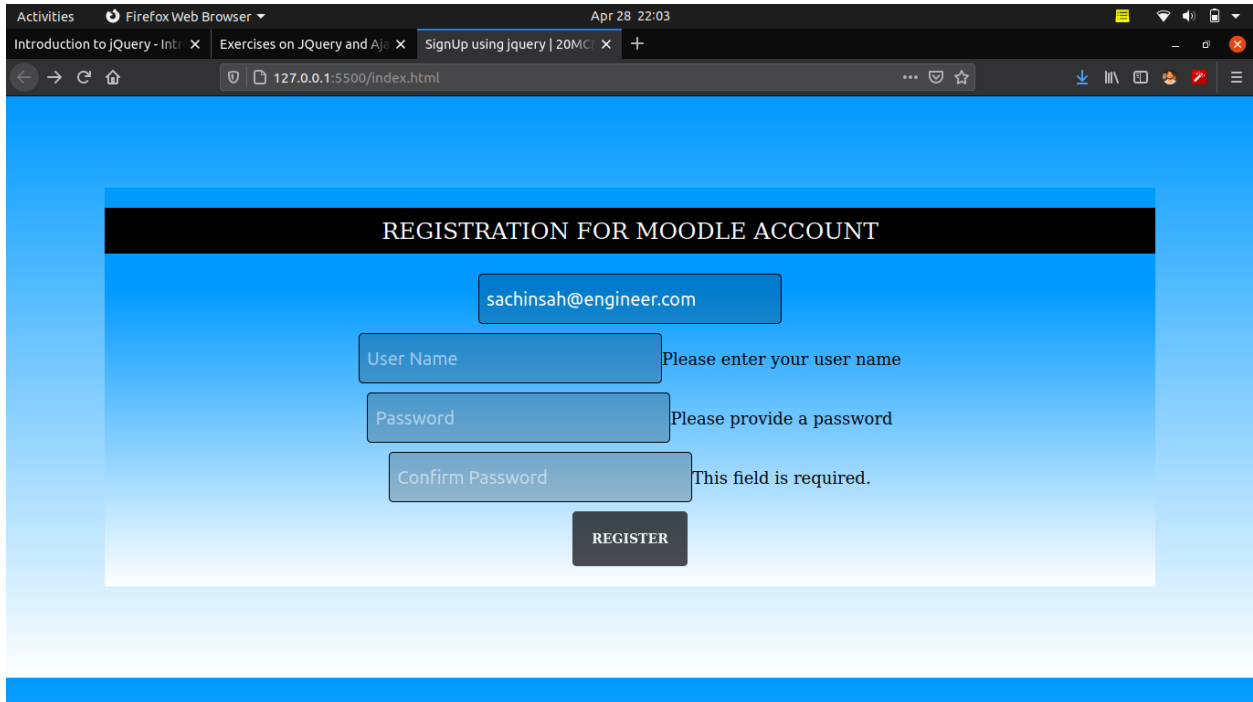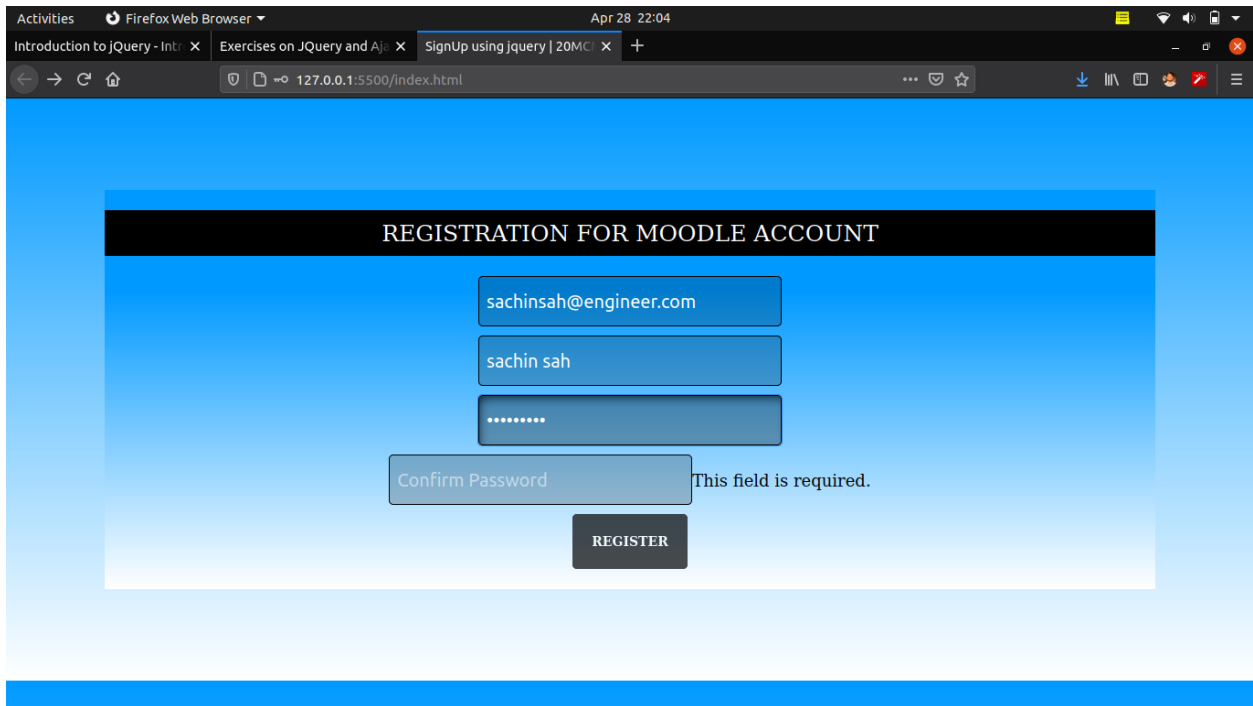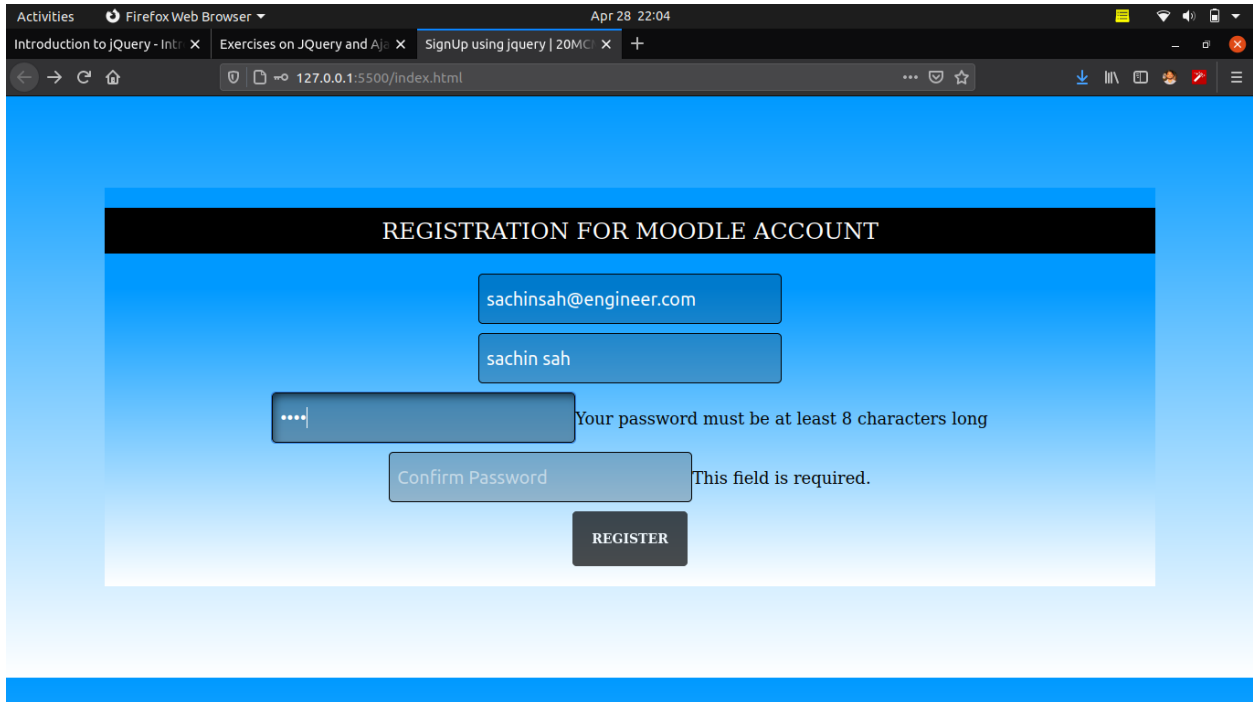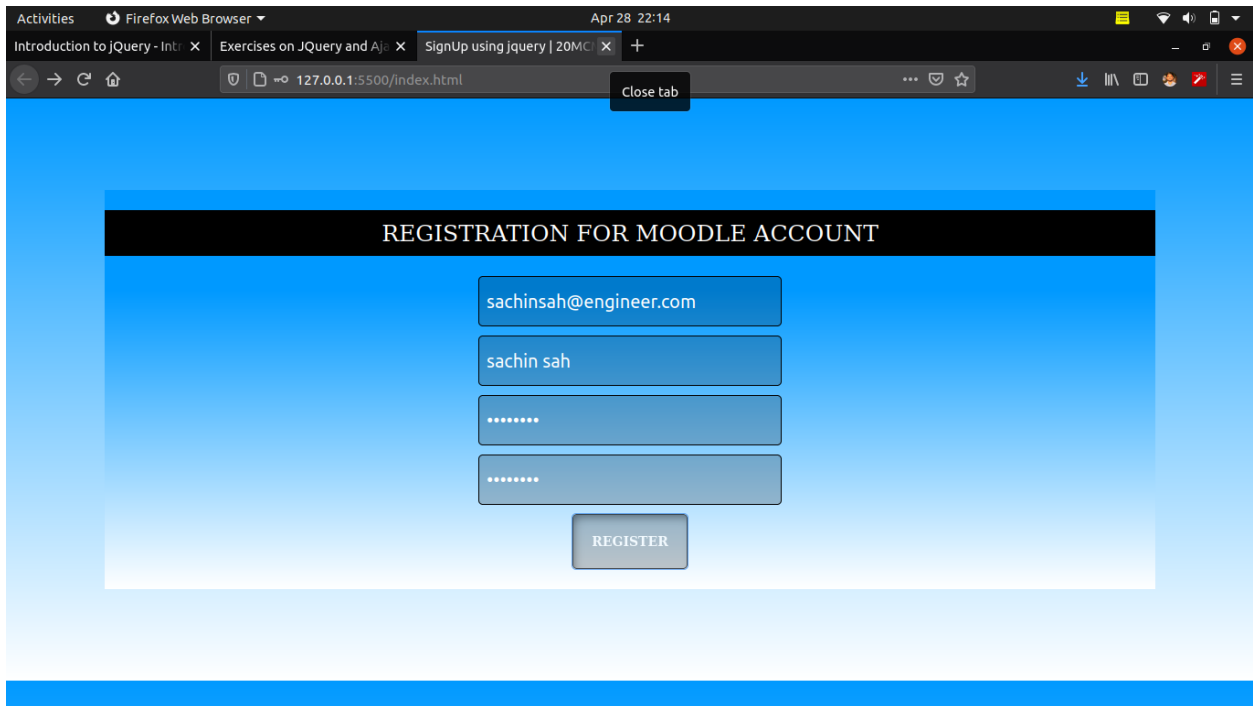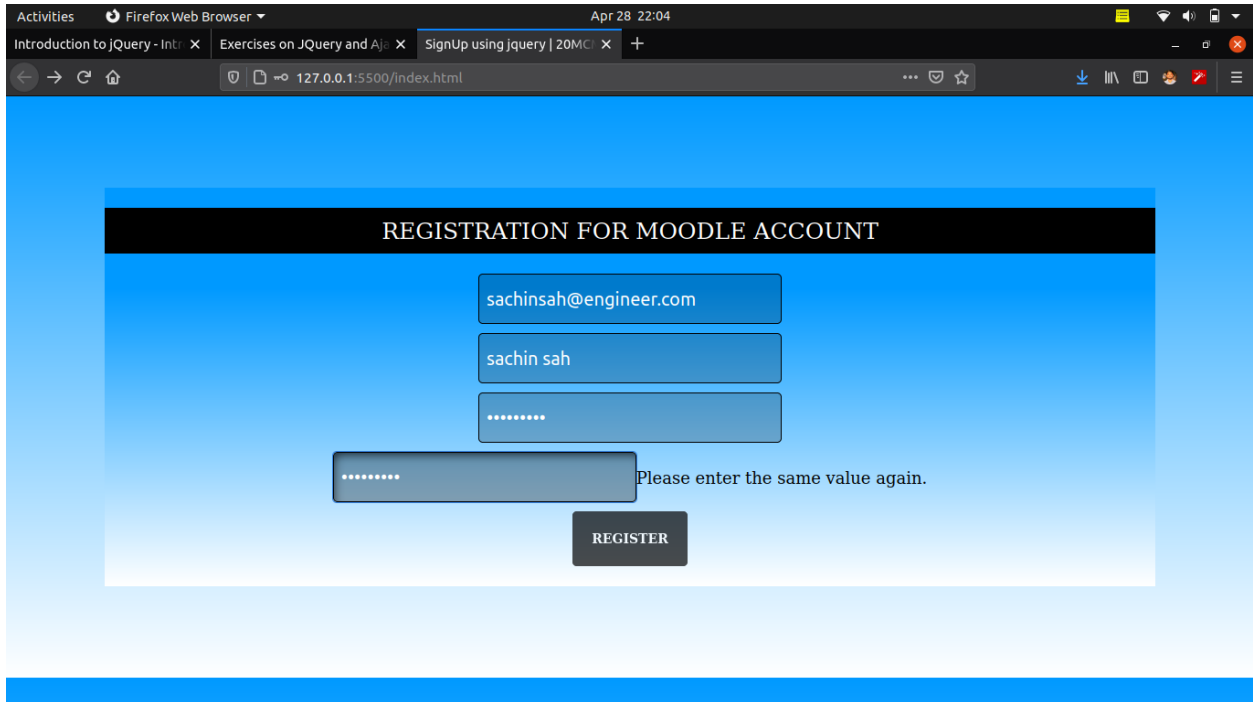
```
      messages: {
        email: "Please enter your email",
        uname: "Please enter your user name",
        password: {
          required: "Please provide a password",
          minlength: "Your password must be at least 8 characters long"
        },
        email: "Please enter a valid email address"
      },
      // this is to make sure the form is submitted to the destination
defined
      // in the "action" attribute of the form when all data are valid
      submitHandler: function(form) {
        form.submit();
      }
    });
  });
```

Screenshot :

REGISTRATION FOR MOODLE ACCOUNT

Email

User Name

Password

Confirm Password

REGISTER

REGISTRATION FOR MOODLE ACCOUNT

Email   Please enter a valid email address

User Name   Please enter your user name

Password   Please provide a password

Confirm Password   This field is required.

REGISTER

REGISTRATION FOR MOODLE ACCOUNT

sachinsah@engineer.com

User Name   Please enter your user name

Password   Please provide a password

Confirm Password   This field is required.

REGISTER

REGISTRATION FOR MOODLE ACCOUNT

sachinsah@engineer.com

sachin sah

Password   Please provide a password

Confirm Password   This field is required.

REGISTER

REGISTRATION FOR MOODLE ACCOUNT

sachinsah@engineer.com

sachin sah

••••   Your password must be at least 8 characters long

Confirm Password   This field is required.

REGISTER

REGISTRATION FOR MOODLE ACCOUNT

sachinsah@engineer.com

sachin sah

•••••••••

Confirm Password   This field is required.

REGISTER

127.0.0.1:5500/index.html

REGISTRATION FOR MOODLE ACCOUNT

sachinsah@engineer.com

sachin sah

••••••••

••••••••   Please enter the same value again.

REGISTER

127.0.0.1:5500/index.html   Close tab

REGISTRATION FOR MOODLE ACCOUNT

sachinsah@engineer.com

sachin sah

••••••••

••••••••

REGISTER

Question 2

<u>index.html</u>

```html
<!DOCTYPE html>
<html>
 <head>
   <title>Toggle using jquery | 20MCMB15</title>
   <meta content="text/html;charset=utf-8" http-equiv="Content-Type">
   <meta content="utf-8" http-equiv="encoding">
   <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">
   <link rel="stylesheet" type="text/css" href="index.css">
   <script type="text/javascript"
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></s
cript>
   <script
src="http://ajax.aspnetcdn.com/ajax/jquery.validate/1.11.1/jquery.validate
.min.js"></script>
   <script type="text/javascript" src="function.js"></script>
   </head>
 <body>

   <center>
   <div id="container">

     <div id="boxes">
       <div id="box1" class="box outlined"></div>
       <div id="box2" class="box outlined"></div>
       <div id="box3" class="box outlined"></div>
     </div>


     <div id="toggles">
       <button id="button1">Toggle Colors</button>
       <button id="button2">Toggle Rounded Borders</button>
       <button id="button3">Add a New Box</button>
     </div>

     <div id="desc">
```

```html
    <table border="2">
      <thead>
         <tr><td><h2>Button</h2></td><td><h2>Functions</h2></td></tr>
      </thead>
      <tbody>
         <tr><td><b>Toggle Colors</b></td><td>Toggles the color on and
off for each box using CSS classes</td></tr>
         <tr><td><b>Toggle Rounded Borders</b></td><td>Toggles the
rounded-borders on and off for each box using CSS attributes</td></tr>
         <tr><td><b>Add a New Box</b></td><td> Adds one new box to the
container</td></tr>
      </tbody>
    </table>
    </div>
   </center>
   </div>


 </body>
</html>
```

index.css

```css
    #container {
      display: block;
    }

    #toggles {
      float: left;
      align-items: center;
      width: 100%;
      margin-top: 100px;
    }

    .box {
      width: 60px;
      height: 100px;
      float: left;
    }
```

```css
.outlined {
  border: 1px solid;
  border-color: black;
}

.round-edge {
  border-radius: 25px;
}

table{
    text-align: center;
    padding: 2px;
}

div{
    margin: 10px;
}

table  td{
      padding: 10px;
}


button{
  padding:10px;
  border-radius:5px;
  font:14px Oswald;
  font-weight: bold;
  color:#FFF;
  background: #000000;
  text-transform:uppercase;
  border:1px solid #000;
  opacity:0.7;
}


button:hover{
  opacity:1;
  cursor:pointer;
}
```

function.js

```javascript
$(document).ready(function() {

 $("#button1").click(function() {
   $(".box").each(function(){
       var colorCardinal = "rgb(120, 151, 51)";
           if($(this).css('background-color') == colorCardinal){
               $(this).css('background-color', '');
           }else{
               $(this).css('background-color', colorCardinal);

           }
   });
 });


 $("#button2").click(function() {
   $('.box').each(function(){
       $(this).toggleClass('round-edge');
   });
 });


 $("#button3").click(function() {
   var new_box = document.createElement('div');
   var existingBoxes = $(".box").length;
   var new_id = existingBoxes+1;
   $(new_box).attr("id", "box"+new_id);
   $(new_box).addClass("box");
   $(new_box).addClass("outlined");
   $("#boxes").append(new_box);
 });


 });
```
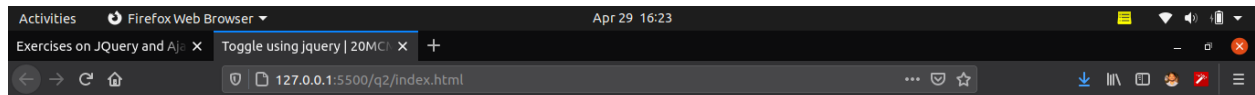
Screenshot :

TOGGLE COLORS **TOGGLE ROUNDED BORDERS** ADD A NEW BOX

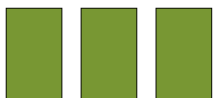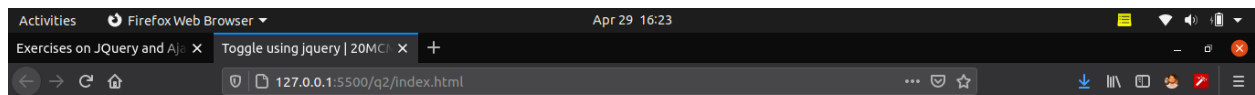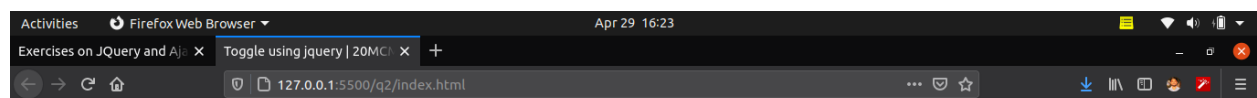| Button	Functions
Toggle Colors	Toggles the color on and off for each box using CSS classes
Toggle Rounded Borders	Toggles the rounded-borders on and off for each box using CSS attributes
Add a New Box	Adds one new box to the container

TOGGLE COLORS **TOGGLE ROUNDED BORDERS** ADD A NEW BOX

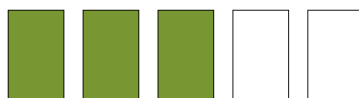| Button	Functions
Toggle Colors	Toggles the color on and off for each box using CSS classes
Toggle Rounded Borders	Toggles the rounded-borders on and off for each box using CSS attributes
Add a New Box	Adds one new box to the container

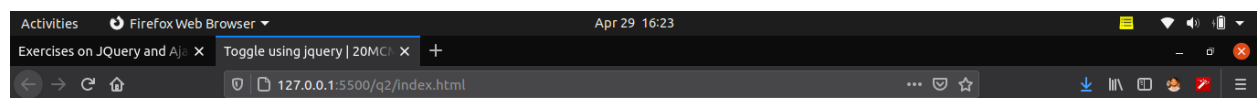| Button	Functions
Toggle Colors	Toggles the color on and off for each box using CSS classes
Toggle Rounded Borders	Toggles the rounded-borders on and off for each box using CSS attributes
Add a New Box	Adds one new box to the container

TOGGLE COLORS   TOGGLE ROUNDED BORDERS   ADD A NEW BOX

TOGGLE COLORS   TOGGLE ROUNDED BORDERS   ADD A NEW BOX

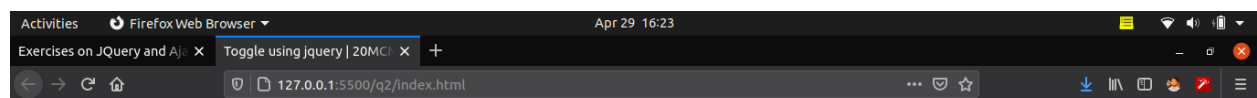| Button	Functions
Toggle Colors	Toggles the color on and off for each box using CSS classes
Toggle Rounded Borders	Toggles the rounded-borders on and off for each box using CSS attributes
Add a New Box	Adds one new box to the container

127.0.0.1:5500/q2/index.html

| TOGGLE COLORS | TOGGLE ROUNDED BORDERS | ADD A NEW BOX |

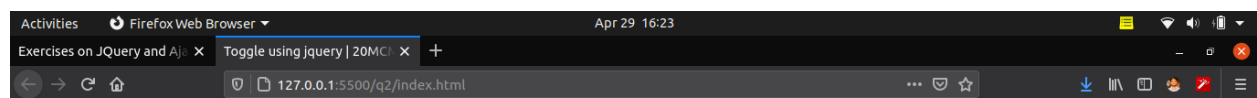| Button	Functions
Toggle Colors	Toggles the color on and off for each box using CSS classes
Toggle Rounded Borders	Toggles the rounded-borders on and off for each box using CSS attributes
Add a New Box	Adds one new box to the container

127.0.0.1:5500/q2/index.html

| TOGGLE COLORS | TOGGLE ROUNDED BORDERS | ADD A NEW BOX |

Button	Functions
Toggle Colors	Toggles the color on and off for each box using CSS classes
Toggle Rounded Borders	Toggles the rounded-borders on and off for each box using CSS attributes
Add a New Box	Adds one new box to the container

Question 3

index.html

```html
<!DOCTYPE html>
<html lang="en">
 <head>
   <title>Survey | 20MCMB15</title>
   <meta content="text/html;charset=utf-8" http-equiv="Content-Type">
   <meta content="utf-8" http-equiv="encoding">
   <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

   <link rel="stylesheet"
href="//code.jquery.com/ui/1.12.1/themes/base/jquery-ui.css">
   <link rel="stylesheet" type="text/css" href="index.css">
   <script src="https://code.jquery.com/jquery-1.12.4.js"></script>
   <script src="https://code.jquery.com/ui/1.12.1/jquery-ui.js"></script>
<script type="text/javascript" src="function.js"></script>
 </head>

 <body>
   <h2>jQuery UI-Survey</h2>
   <h3>General Information</h3>

   <div id="name_input">
     <label for="name">Name:</label>
     <input type="text" id="name" />
   </div>

   <div id="date_input">
     <label for="date">Date:</label>
     <input type="text" id="date" />
   </div>

   <div id="year_input">
 <h3>Are you enrolled as an undergraduate or a graduate?</h3>
     <ol id="selectable">
       <ol id="selectable">
```

```html
            <li class="ui-widget-content" title="taking 6.813, doesn't have
to do RS assignments">Undergraduate</li>
            <li class="ui-widget-content" title="taking 6.831, required to
do RS assignments">Graduate</li>
        </ol>
    </ol>
  </div>

  <div id="color_input">
    <h3>Rank the colors listed from your most favorite (1) to your least
favorite (5). Be sure to only use each ranking once.</h3>

    <ul id="sortable">
      <li class="ui-state-default"><span class="ui-icon
ui-icon-arrowthick-2-n-s"></span>#ff0000</li>
      <li class="ui-state-default"><span class="ui-icon
ui-icon-arrowthick-2-n-s"></span>#0000ff</li>
      <li class="ui-state-default"><span class="ui-icon
ui-icon-arrowthick-2-n-s"></span>#ff00b3</li>
      <li class="ui-state-default"><span class="ui-icon
ui-icon-arrowthick-2-n-s"></span>#ded447</li>
      <li class="ui-state-default"><span class="ui-icon
ui-icon-arrowthick-2-n-s"></span>#125e18</li>
    </ul>
    <!--<h3>Rank the colors listed from your most favorite to your least
favorite:</h3>-->

  </div>

 </body>
</html>
```

index.css

```css
#name_input {
 float: left;
 margin-bottom: 20px;
 margin-right: 20px;
}
```

```css
#date_input {
 float: left;
 margin-bottom: 20px;
}


#year_input {
 clear:both;
}


.rank_color {
 width: 20px;
 margin-top: 2px;
}
#selectable .ui-selecting {
    background: #FECA40;
}
#selectable .ui-selected {
    background: #F39814;
    color: white;
}
#selectable {
    list-style-type: none;
    margin: 0;
    padding: 0;
    width: 60%;
}
#selectable li {
    margin: 3px;
    padding: 0.4em;
    font-size: 1.0em;
    height: 12px;
}


#sortable {
    list-style-type: none;
    margin: 0;
    padding: 0;
    width: 60%;
}
```

```css
#sortable li {
   margin: 0 3px 3px 3px;
   padding: 0.4em;
   padding-left: 1.5em;
   font-size: 1.0em;
   height: 12px;
}


#sortable li span {
   position: absolute;
   margin-left: -1.3em;
}
```
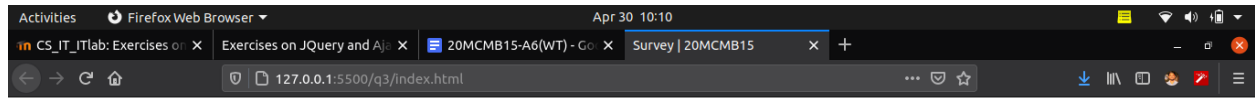
function.js

```javascript
$(document).ready(function() {

   $("#date").datepicker();
   $("#selectable").selectable();
   $("#sortable").sortable();
   $("#sortable").disableSelection();
   $(document).tooltip()
});
```
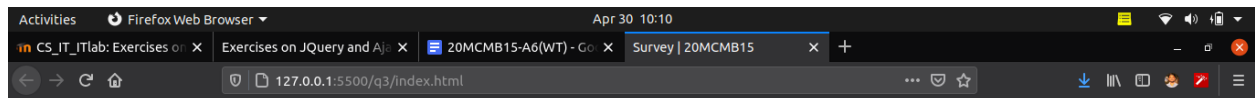
Screenshots :

jQuery UI-Survey

General Information

Name: [   ]   Date: [   ]

Are you enrolled as an undergraduate or a graduate?

Undergraduate

taking 6.813, doesn't have to do RS
assignments

**your most favorite (1) to your least favorite (5). Be sure to only use each ranking
once.**

⬍ #ff0000
⬍ #0000ff
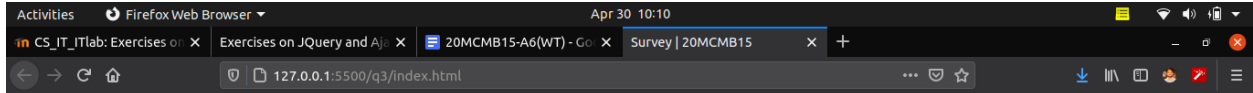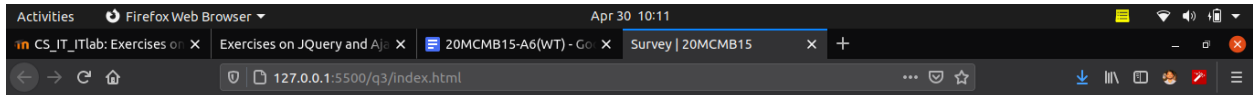⬍ #ff00b3
⬍ #ded447
⬍ #125e18

jQuery UI-Survey

General Information

Name: [   ]   Date: [   ]

Are you enrolled as an undergraduate or a graduate?

| Undergraduate |
| Graduate |

Rank the colors listed from your most favorite (1) to your least favorite (5). Be sure to only use each ranking once.

↕ #0000ff
↕ #ff00b3

↕ #ff0000
↕ #ded447
↕ #125e18

---

jQuery UI-Survey

General Information

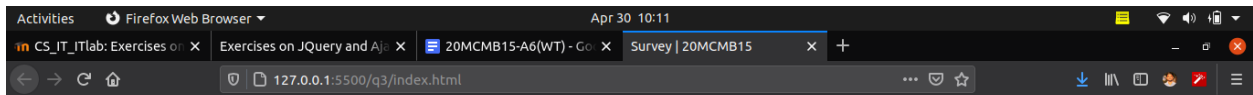Name: [   ]   Date: [   ]

Are you enrolled as an undergraduate or a graduate?

| Undergraduate |
| Graduate |

Rank the colors listed from your most favorite (1) to your least favorite (5). Be sure to only use each ranking once.

↕ #ff0000
↕ #0000ff
↕ #ff00b3
↕ #125e18

↕ #ded447

Question 4

index.html

```html
<!DOCTYPE html>
    <html lang="en">
    <head>
        <title>Extract and Read XML Data Using jQuery and Ajax</title>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.10.1/jquery.min.js"></
script>
        <script src="read.js"></script>
        <style>
            #students {
                font:12px Arial;
                width:500px;
                text-align:center;
                overflow:hidden;
            }
            #students div  {
                width:auto;
                text-align:left;
                margin:1px;
                padding:2px 5px;
                letter-spacing:1px;
            }

            button{
                padding:10px;
                border-radius:5px;
                font:14px Oswald;
                font-weight: bold;
                color:#FFF;
                background: #000000;
                text-transform:uppercase;
                border:1px solid #000;
                opacity:0.7;
            }
```

```
        button:hover{
            opacity:1;
            cursor:pointer;
        }
    </style>
</head>

<body>
    <center>
    <p>Click below to get the data</p>

    <button type="button" name="d" id="get_data_button">
    <div id="students"></div>
    </center>
</body>
</html>
```

read.js

```
$(document).ready(function() {

    $('#get_data_button').click(function () {
        $('#students').empty();         // clear the DIV.

        $.ajax({
            type: 'GET',
            url: 'data.xml',            // The file path.
            dataType: 'xml',
            success: function(xml) {
                $(xml).find('student').each(function() {

                    // Append new data to the DIV element.
                    $('#students').append(
                        '<div>' +
                            '<div><b>First Name: </b>' +
                                $(this).find('firstName').text() + '</div>
' +
                            '<div><b>Last Name: </b>' +
```

```
                                    $(this).find('lastName').text() + '</div> '
+
                           '<div><b>Roll No: </b>' +
                               $(this).find('rollNo').text() + '</div> ' +
                    '</div>');
              });
           }
       });
    });
});
```

data.xml

```xml
<?xml version = "1.0" encoding = "UTF-8"?>
<university>
    <student>
        <firstName>Sachin</firstName>
        <lastName>Sah</lastName>
        <rollNo>20MCMB15</rollNo>
        <contactNo>7802008521</contactNo>
        <email>sachinsah@engineer.com</email>
        <address>
            <City>Surat</City>
            <State>Gujarat</State>
            <Zip>394230</Zip>
        </address>
        <department>Information Technology</department>
    </student>
    <student>
        <firstName>Suvam</firstName>
        <lastName>Basak</lastName>
        <rollNo>20MCMB08</rollNo>
        <contactNo>9685745214</contactNo>
        <email>20MCMB08@uohyd.ac.in</email>
        <address>
            <City>Howrah</City>
            <State>Kolkota</State>
            <Zip>994230</Zip>
```

```xml
        </address>
        <department>Information Technology</department>
    </student>
    <student>
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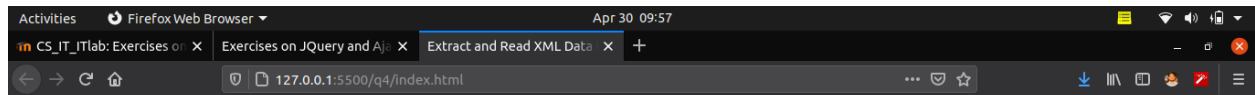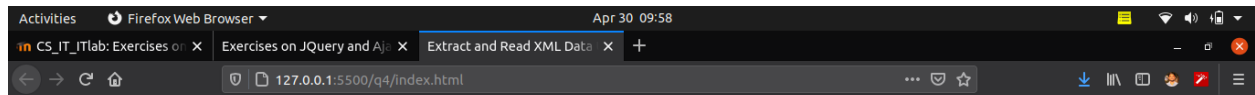
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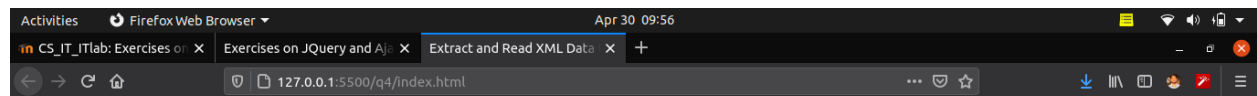
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Click below to get the data

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LAST NAME: SAH
ROLL NO: 20MCMB15

FIRST NAME: SUVAM
LAST NAME: BASAK
ROLL NO: 20MCMB08

FIRST NAME: JITENDRA
LAST NAME: GANGWAR
ROLL NO: 20MCMB04

FIRST NAME: AISHWARIYA
LAST NAME: KULSHRESTHA
ROLL NO: 20MCMB12

FIRST NAME: RAMYA
LAST NAME: BHARGAVI
ROLL NO: 20MCMI04

FIRST NAME: AMIT
LAST NAME: KUMAR
ROLL NO: 20MCMB14