

GUJARAT TECHNOLOGICAL UNIVERSITY



Sal Collage of Engineering A Summer Internship Report on “Web Development”

**Under subject of
SUMMER INTERNSHIP (3170001)
BE Semester – VII IT. Branch**

**Submitted by
Thakkar Ayush PravinBhai (181130116107)**

Indolabz Technology

Academic year (2021-2022)

**Prof. Dhwani Modi
(Faculty Guide)**

**Dr. Vidhi Khanduja
(Head of the I.T. Department)**



INFOLABZ IT SERVICES

WEB DEVELOPMENT | APP DEVELOPMENT | IOT



Date: 23-05-2021

Enrolment: 181130116107

Semester: 7th, Information Technology

Sal College of Engineering, Ahmedabad

Subject: Summer Internship

Topic: Web Development with Live API Integration

Dear Ayush Thakkar,

In reference to your application, we would like to congratulate you on being selected for internship with InfoLabz IT Services based at Ahmedabad. Your online internship is scheduled to start from 24 May 2021 for a period of 15 days. All of us at InfoLabz are excited that you will be joining our team!

During this internship, the concentration will be on helping you understand logical concepts with their practicality and implications to help you connect your classroom knowledge to industry standards. Your internship will include orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts through hands-on application of the knowledge.

We will be happy to guide you to learn new skills which are extremely helpful in professional standard.



Ms. Twinkle Shah

Internship Coordinator

InfoLabz, Ahmedabad



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Nr, Commerce Six Rd, Navrangpura,
Ahmedabad, Gujarat 380009



INFOLABZ IT SERVICES

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COMPLETION CERTIFICATE OF SUMMER INTERNSHIP

Date: 11-06-2021

Enrolment: 181130116107

Semester: 7th, Information Technology

Sal College of Engineering, Ahmedabad

To whom it may concern,

We are delighted to provide this certificate to Ayush Thakkar for topics learned and work performed during free online internship. The duration of internship program was from 24 May 2021 to 8 June 2021 (2 Weeks) organized by InfoLabz IT Services PVT. LTD, Ahmedabad.

In this internship tenure we have covered basics of web development and provided hands on experience of real time API handling. We have worked on JSON handling with PHP and logic development with JavaScript.

We wish Ayush Thakkar all the best for future endeavours.



Ms. Twinkle Shah
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InfoLabz, Ahmedabad



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Ahmedabad, Gujarat 380009

Acknowledgement

I/We wish to express our sincere gratitude to our External guide Mr. Chintan Thakkar for continuously guiding me at the company and answering all my doubts with patience. I/We would also like to thank my/our Internal Guide Prof. Dhwani Modi for helping us through our internship by giving us the necessary suggestions and advices along with their valuable co-ordination in completing this internship.

We also thank our parents, friends and all the members of the family for their precious support and encouragement which they had provided in completion of our work. In addition to that, we would also like to mention the company personals who gave us the permission to use and experience the valuable resources required for the internship.

Thus, In conclusion to the above said, we once again thank the staff members of Infolabz technology for their valuable support in completion of the project.

Thank You

Content

Certificate	2
Completion Certificate.....	3
Acknowledgement.....	4
Chapter 1: Introduction	
1.1 About the company.	6
1.2 Aim and Objectives of the Internship	7
Chapter 2: Roles and Responsibilities during internship	
2.1 Daily Tasks and Activities.....	38
2.2 My Roles and Responsibilities.....	38
Chapter 3: Skills Learned	
3.1 About the Skill/s.....	39
3.2 How do I learnt the skill/s.	39
Chapter 4: Overall Experience	
4.1 Technical Experience	40
4.1 Personal Experience	40
Conclusion	
Bibliography	

Introduction

About the organization:

InfoLabz is one of the leading IT companies who provides technical solutions. Established in 2011, incorporation with parent company Assertion IT, we are having huge experience of 8 years in this field. We are involved in Web Development, App Development, Progressive Web Application Development, Corporate & Live project training & placement activities.

Incorporated in 2011, along with leading parent IT subsidiary company, we have our own image and reputation in IT industry. We are having qualified and experienced team who are willing and ready to take any challenges. We know the upgradation in technologies, so instead of working as an individual, we work as a team and ready to take all challenges that come across.

We have divided our work in main two segments 1) Web Development & 2) App Development. In Web Development process we are having dedicated team who are having utmost experience of all major technologies. We have dedicated team for UI/UX and Graphics designs as well. We have hundreds of clients who are divided across the globe and enjoying our services. In the other segment of APP Development, we are having dedicated team for API/Webservice handling and Material Designs. Our extreme effort to give something new in every app helps us to learn something new at every step.

InfoLabz offers Industry oriented Live Projects Training for CE/IT (BE/B.TECH & DIPLOMA ENGINEERING), BCA/MCA, BSc IT/MSc IT students. Students are provided with hands-on experience. This industry Oriented Projects training enables the student to understand the engineering concepts in practical way. The student can apply his knowledge in implementing practical application software / LIVE websites.

1.2 Aim and objective of the internship

planning & strategy

A more comprehensive list of tasks may include web engineering, web design.

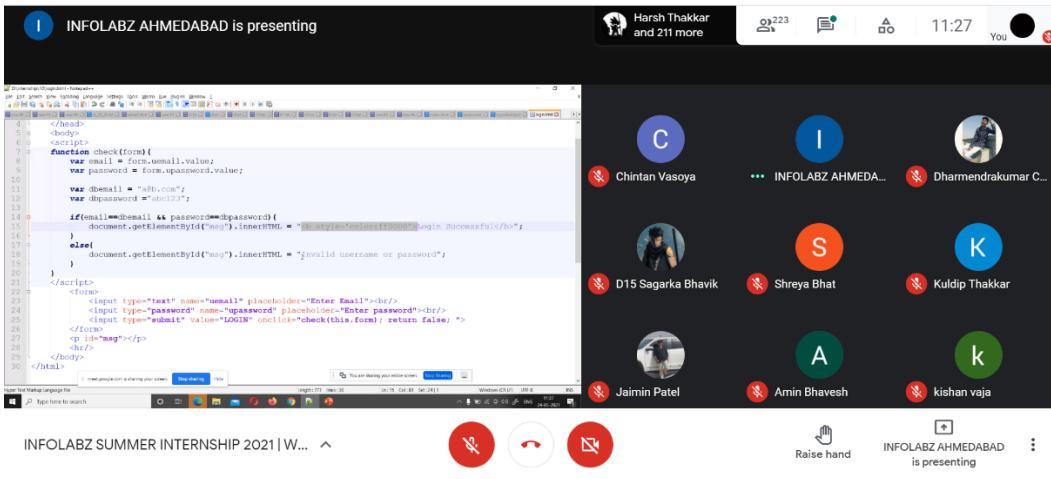
design & develop

Design elements are the basic units of any visual design which form its structure.

test & deliver

All software testing uses some strategy to select tests that are feasible

Day 1: - HTML and JavaScript



Day: 1 (24-5-21)

The screenshot shows the PyCharm IDE with the file "day1.html" open. The code is identical to the one shown in the previous screenshot:

```

<html>
<head>
</head>
<body>
<script>
function check()
{
    var email=form.uemail.value;
    var password=form.upassword.value;
    var dbemail = "abc.com";
    var dbpassword = "abc123";
    var dbmobile="123456789";
    if((email==dbemail && password==dbpassword) || (email==dbmobile && password==dbpassword)){
        document.getElementById("msg").innerHTML = "<b style='color:green'>Login Successful</b>";
    }
    else {
        document.getElementById("msg").innerHTML = "<b style='color:red'>Login unsuccessful</b>";
    }
}
</script>
<form>
<input type="text" name="uemail" placeholder="Enter Email" style="background-color: blue"><br/>
<input type="password" name="upassword" placeholder="Enter Password" style="background-color: blue"><br/>
<input type="submit" style="background-color: blue" value="LOGIN" onclick="check(this.form); return false;">
<p id="msg"></p>
</form>
</body>
</html>

```

The PyCharm interface includes toolbars, a status bar at the bottom, and a message bar indicating "PyCharm 2020.3.5 available Update..."

Fig: - 1.1

At day 1 we were taught basics of HTML and JavaScript and how to use them together. In this program (Fig 1.1) A form is created in which user will enter their email or mobile number and their password, if entered value will be correct then user will be shown that login is successful otherwise not. Here to create this program HTML tags like `<form>`: - To create form.

`<Input>`: - To take input from the user.

`<p>`: - To show output if the user enters correct data.

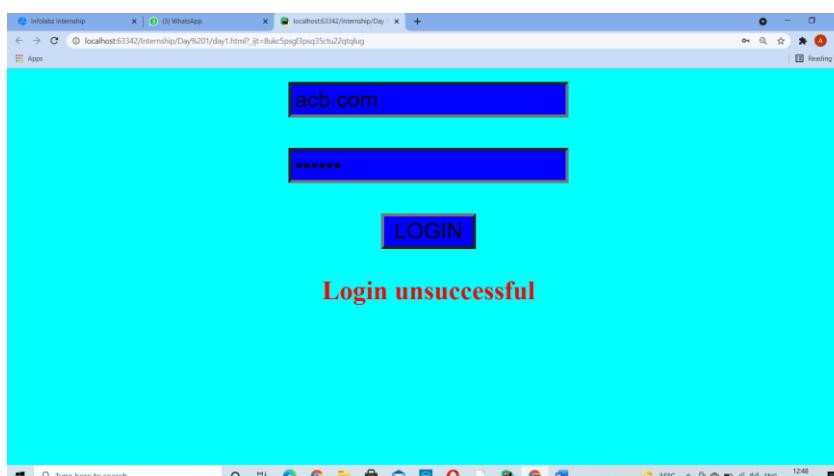
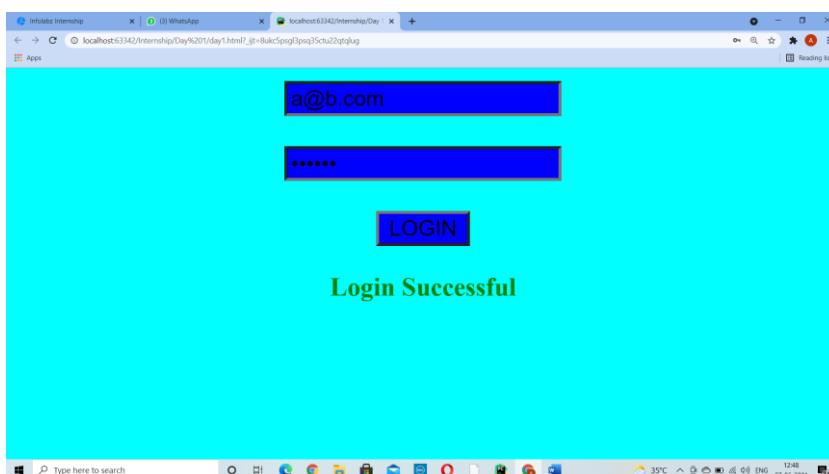
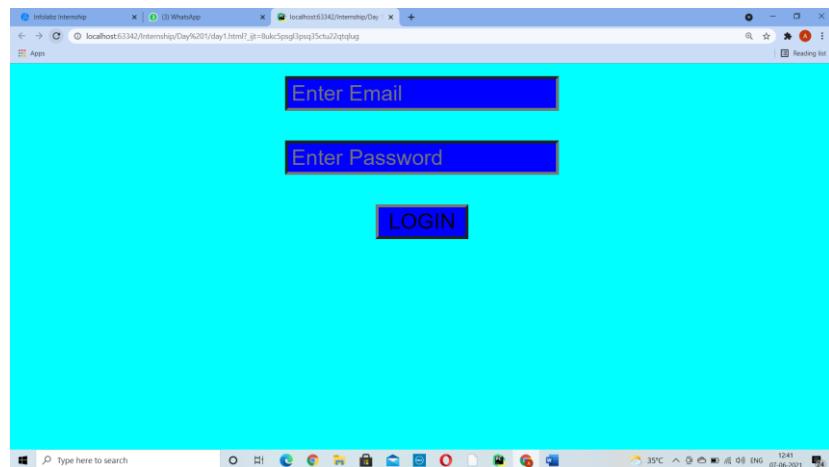
And JavaScript tags like

Function to save data.

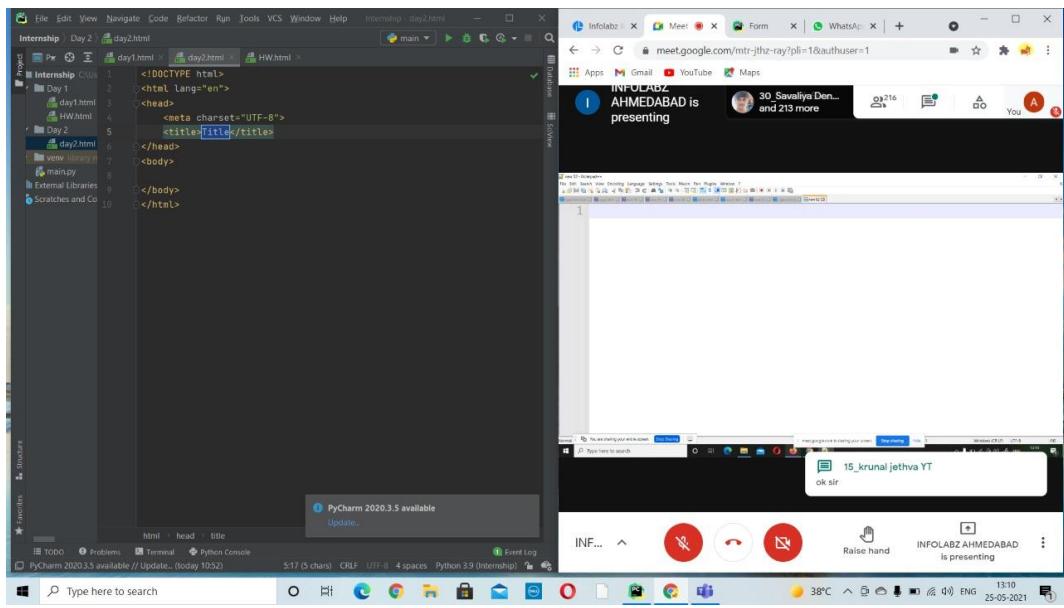
Var to assign value.

And if, else to validate entered value is used.

Output: -



Day 2: - Accessing map in program



Day: 2 (25-5-21)

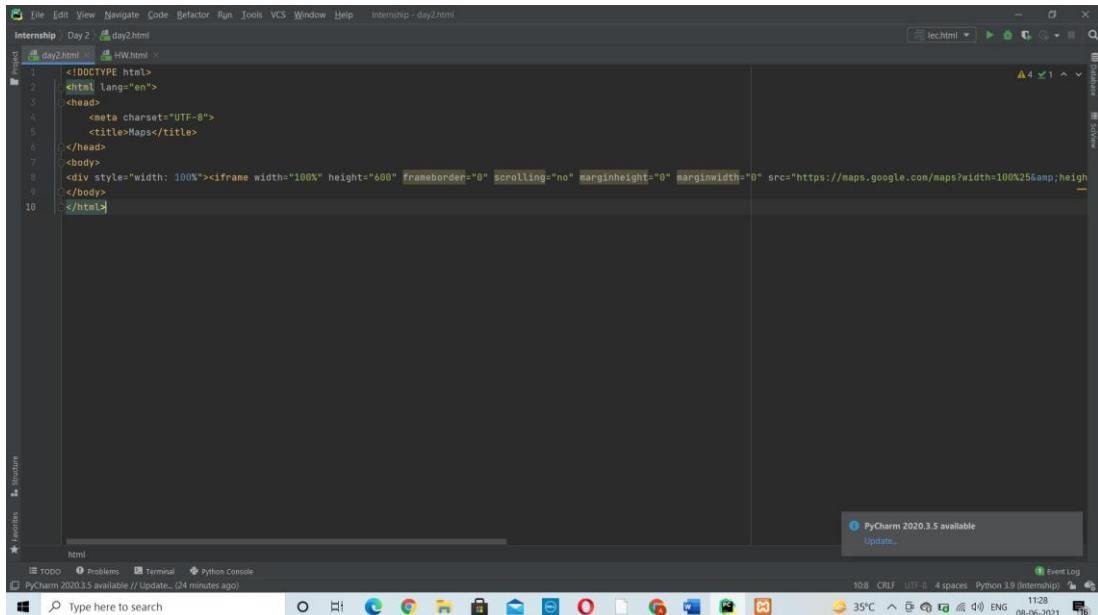
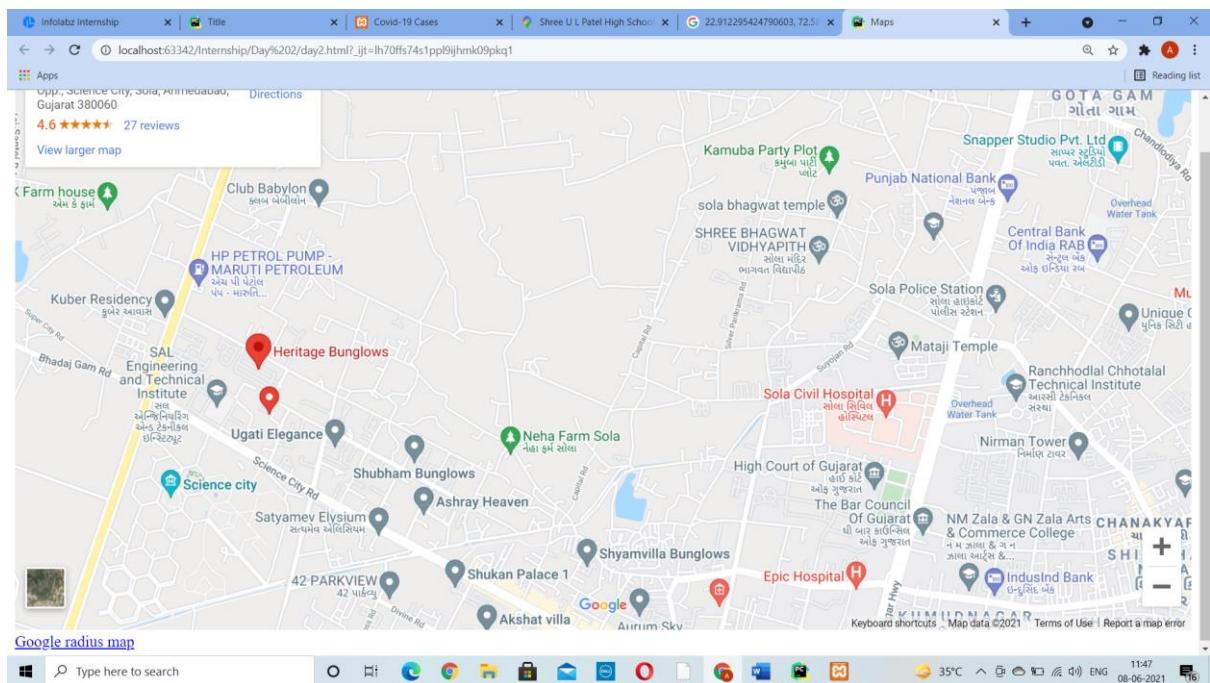


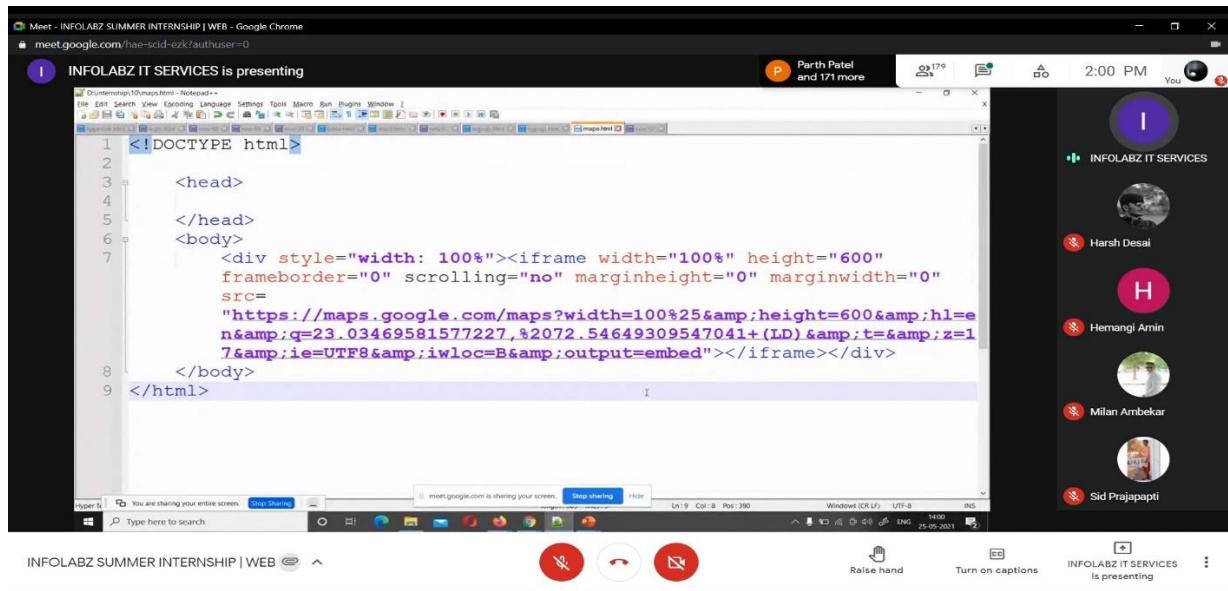
Fig: -2.1

In this program, google map location is accessed using its longitude and latitude points. By using points an iframe code is generated though which you can place that code wherever you want to display map. Same is for an accessing YouTube video, you can place iframe code to display that video. But there is a disadvantage that if any changes happen online like if video is deleted that will also cause change in your code.

Output: -



Day 3 Web page



Day 3(27-05-21)

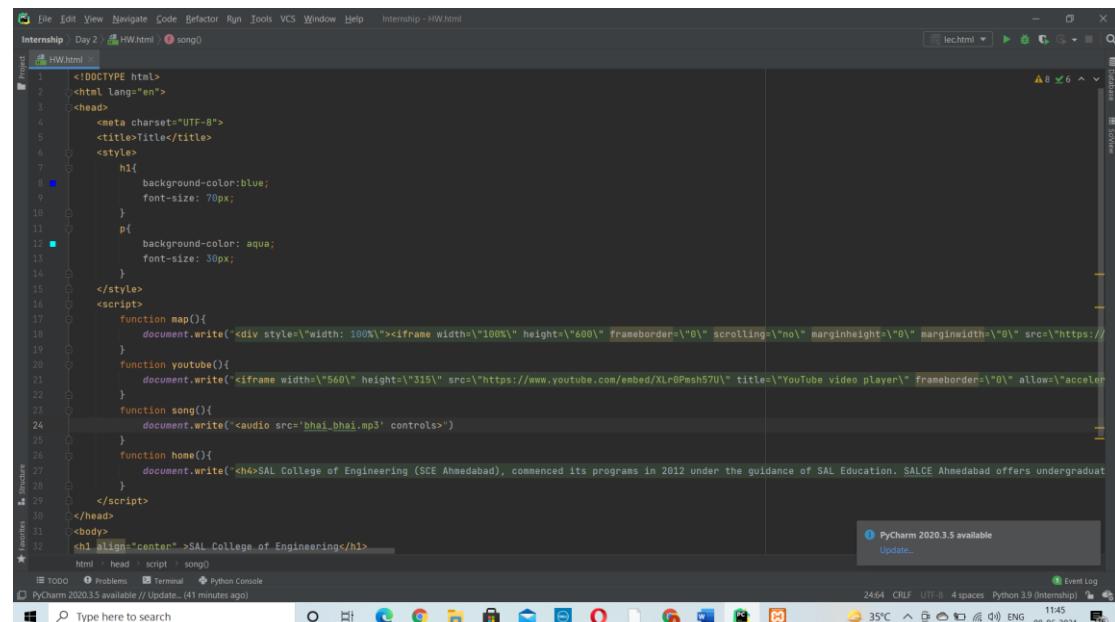


Fig 3.1

```

12         background-color: aqua;
13         font-size: 30px;
14     }
15 
```

```

17     function map(){
18         document.write("<div style=\"width: 100%><iframe width=\"100%\" height=\"600\" frameborder=\"0\" scrolling=\"no\" marginheight=\"0\" marginwidth=\"0\" src=\"https://www.google.com/maps/embed?pb=...\"></iframe></div>");
19     }
20 
```

```

21     function youtube(){
22         document.write("<div style=\"width: 100%><iframe width=\"560\" height=\"315\" src=\"https://www.youtube.com/embed/XlrPmsh57U\" title=\"YouTube video player\" frameborder=\"0\" allow=\"accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture\"></div>");
23     }
24 
```

```

25     function song(){
26         document.write("<div style=\"text-align: center; background-color: #f0f0f0; padding: 10px; border-radius: 10px; width: fit-content; margin: auto; border: 1px solid black; border-bottom: none;\"><audio src='bhai_bhai.mp3' controls></audio></div>");
27     }
28 
```

```

29 
```

```

31 <body>
32     <h1 align="center">SAL College of Engineering</h1>
33     <center>Enrollment number: 181130116107</center>
34     <p><a href="javascript:home()">Home</a>&nbsp;&nbsp;&nbsp;<a href="javascript:map()">Location</a>&nbsp;&nbsp;&nbsp;<a href="javascript:youtube()">Video</a>&nbsp;&nbsp;&nbsp;<a href="javascript:song()">Song</a></p>
35 
```

```

36 
```

```

37 </body>
</html>

```

Fig 3.2

In this program four links are set, they are: -

1. Home: - For displaying information.
2. Location: - For accessing location.
3. Video: - For displaying YouTube video of particular page.
4. Song: - To play song.

When you click on that link, they will show information according to their name and purpose.

Output: -

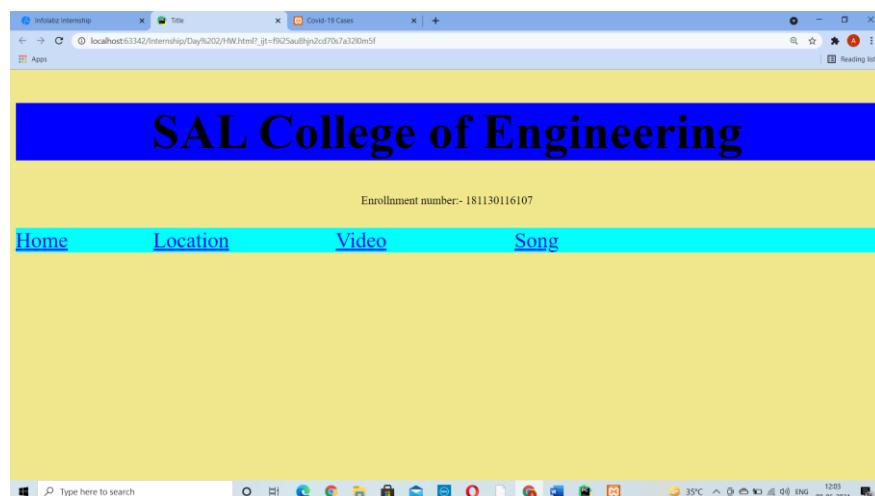


Fig 3.3

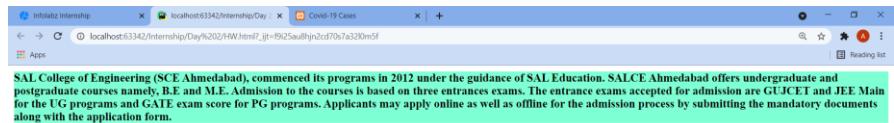


Fig 3.4

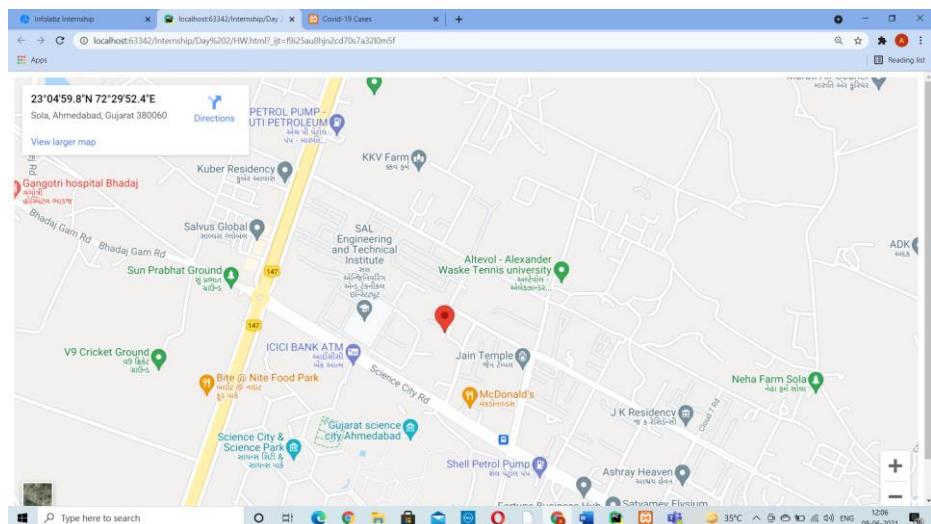


Fig 3.5

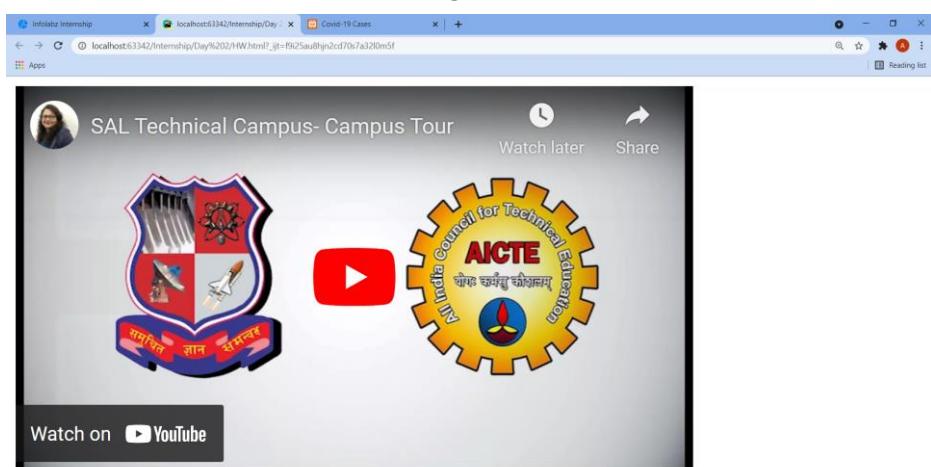


Fig 3.6



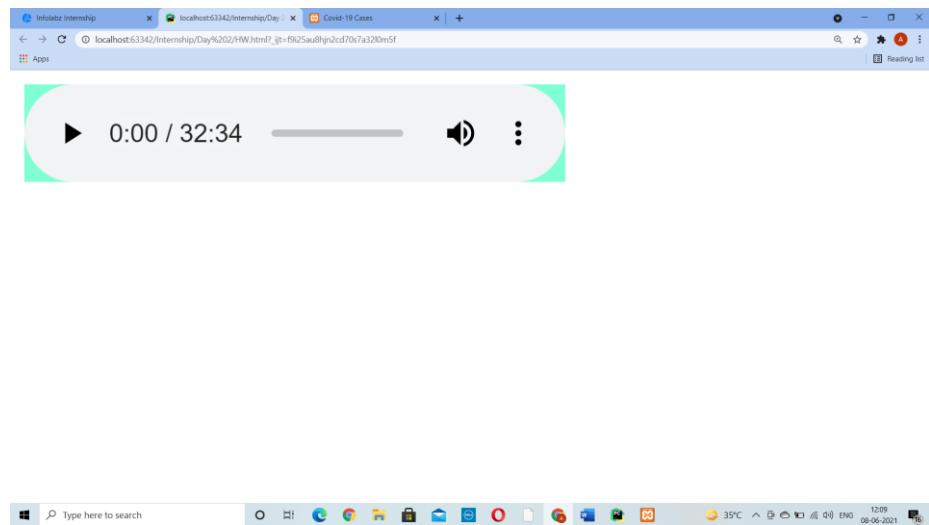
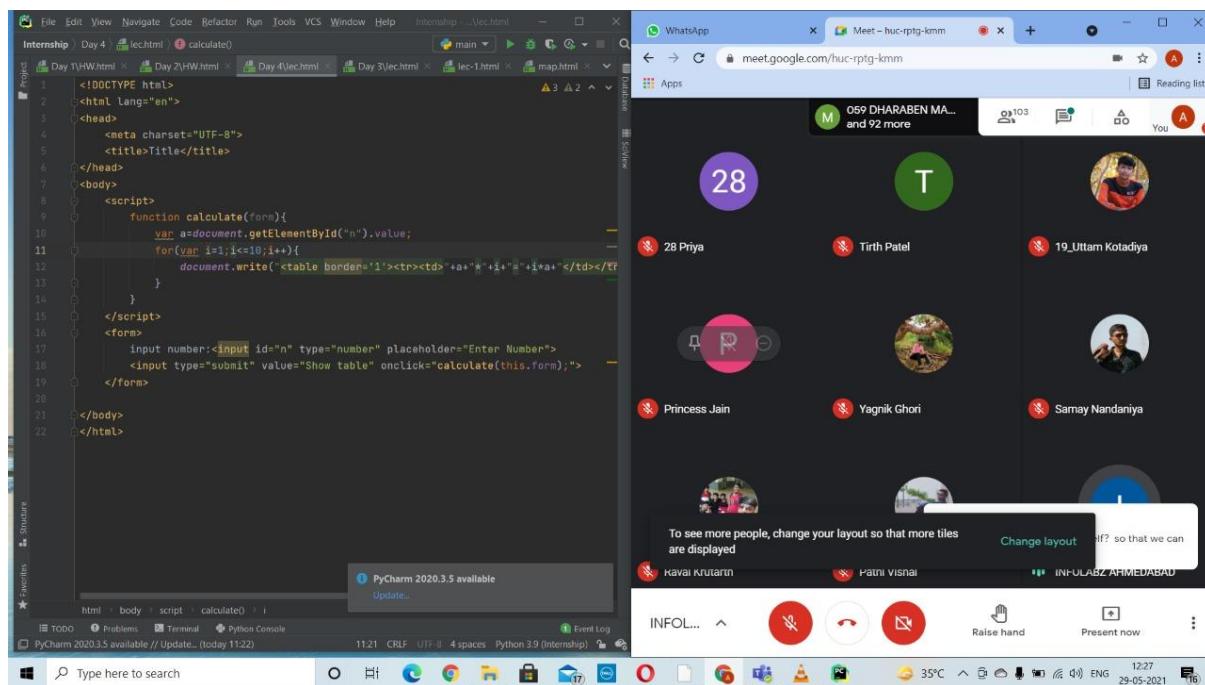


Fig 3.7

As you can see page in fig 3.3, if you click home, it will show information as shown in fig 3.4. If you click location, it will show location as shown in 3.5. If you click on video, it will show YouTube video as shown in 3.6. If you click on audio, it will show controls through which you can play song.

Day: - 4



Day 4 (29-05-2021)

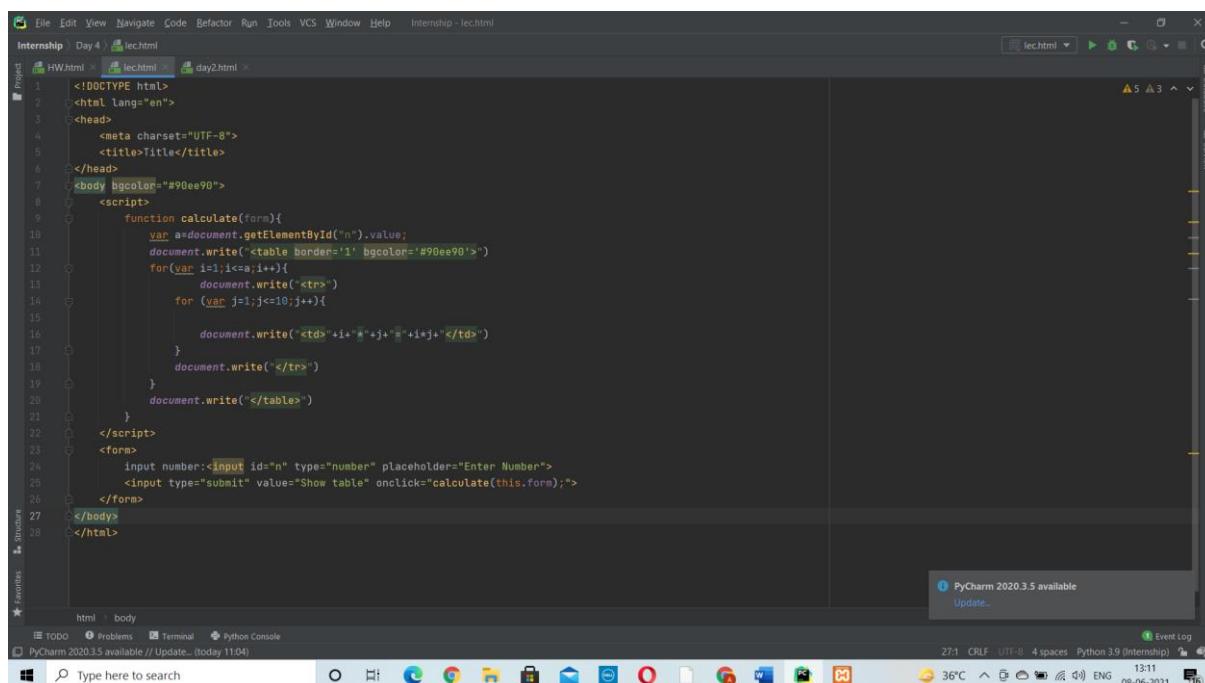


Fig 4.1

On day 4 how calculation is done using JavaScript was taught. In this above (Fig 4.1), First a function calculation is made in which when a user enters a number in input box it will show multiplication table from 1 to the entered number in table format. Form tag in the body will take input from the user and when user click on show table button it will show tables. Below is the output of the following code.

Output: -

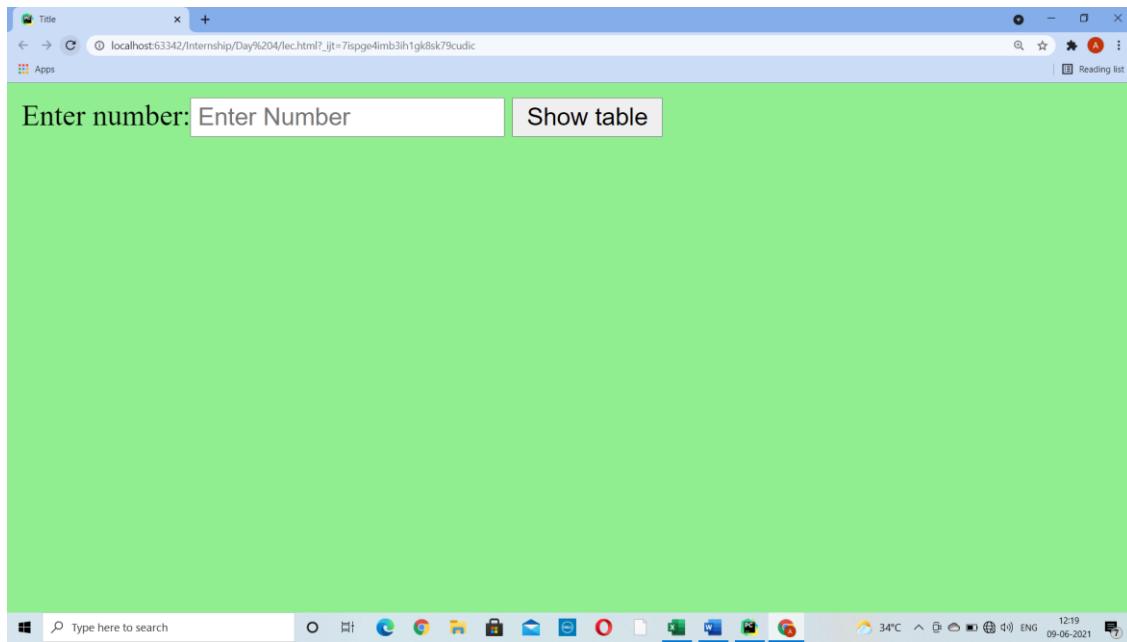


Fig 4.2

The screenshot shows a Microsoft Edge browser window with the same URL as Fig 4.2. This time, the "Show table" button has been clicked, resulting in a 10x10 grid of multiplication results. The grid is as follows:

1*1=1	1*2=2	1*3=3	1*4=4	1*5=5	1*6=6	1*7=7	1*8=8	1*9=9	1*10=10
2*1=2	2*2=4	2*3=6	2*4=8	2*5=10	2*6=12	2*7=14	2*8=16	2*9=18	2*10=20
3*1=3	3*2=6	3*3=9	3*4=12	3*5=15	3*6=18	3*7=21	3*8=24	3*9=27	3*10=30
4*1=4	4*2=8	4*3=12	4*4=16	4*5=20	4*6=24	4*7=28	4*8=32	4*9=36	4*10=40
5*1=5	5*2=10	5*3=15	5*4=20	5*5=25	5*6=30	5*7=35	5*8=40	5*9=45	5*10=50

Fig 4.3

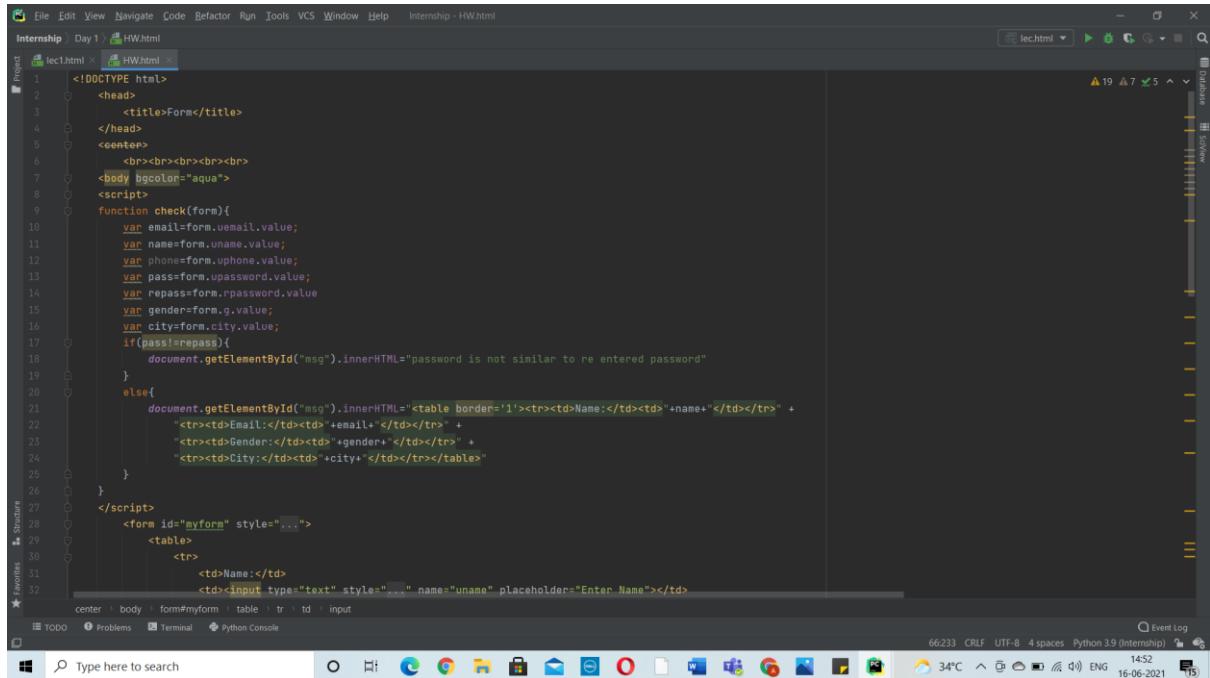
Here as you can see (Fig 4.2) when user enters number and click on show table it will show table as see in Fig4.3

Day 5 Assignment Day

(30-5-21)

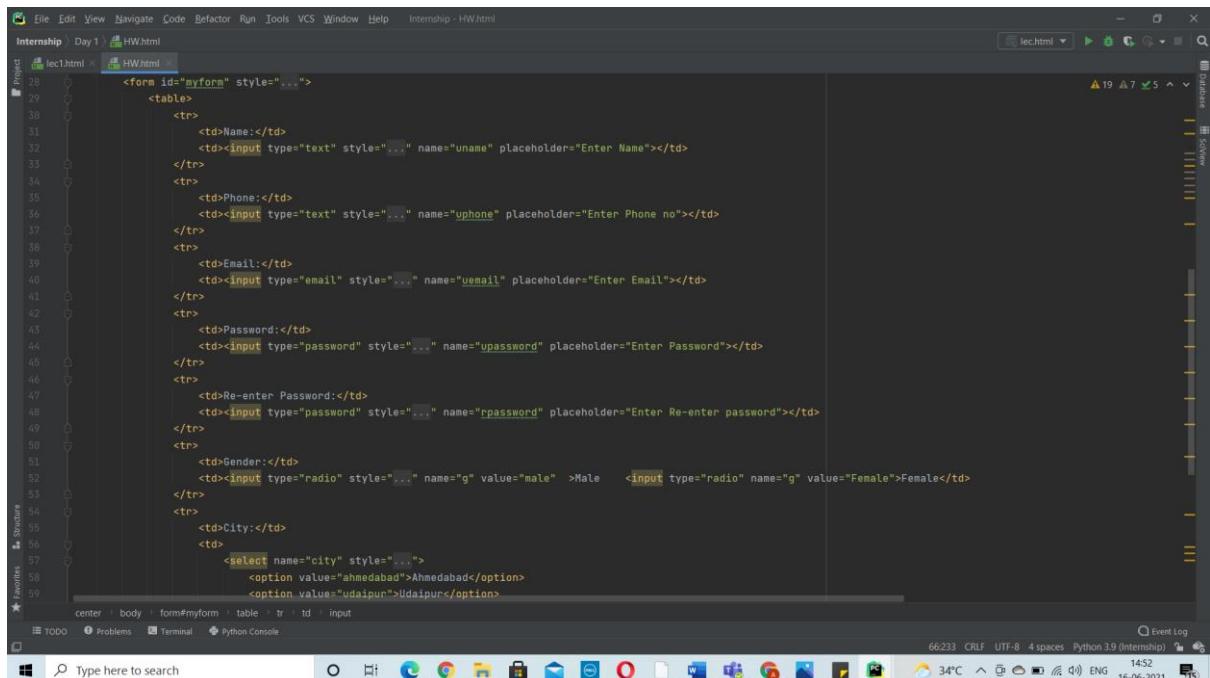
On day 5 tasks were given to be complete. Below are the two task that were given to be completed.

Task 1



```
<!DOCTYPE html>
<head>
    <title>Form</title>
</head>
<center>
<br><br><br><br>
<body bgcolor="#aqua">
<script>
function check(form){
    var email=form.uname.value;
    var name=form.uname.value;
    var phone=form.iphone.value;
    var passform.upassword.value;
    var repass=form.rpassword.value;
    var gender=form.g.value;
    var city=form.city.value;
    if(pass!=repass){
        document.getElementById("msg").innerHTML="password is not similar to re entered password"
    }
    else{
        document.getElementById("msg").innerHTML=<table border='1'><tr><td>Name:</td><td>+name+</td></tr> +
        "<tr><td>Email:</td><td>+email+</td></tr>" +
        "<tr><td>Gender:</td><td>+gender+</td></tr>" +
        "<tr><td>City:</td><td>+city+</td></tr></table>";
    }
}
</script>
<form id="myform" style="...>
    <table>
        <tr>
            <td>Name:</td>
            <td><input type="text" style="..." name="uname" placeholder="Enter Name"></td>
        </tr>
        <tr>
            <td>Phone:</td>
            <td><input type="text" style="..." name="iphone" placeholder="Enter Phone no"></td>
        </tr>
        <tr>
            <td>Email:</td>
            <td><input type="email" style="..." name="uemail" placeholder="Enter Email"></td>
        </tr>
        <tr>
            <td>Password:</td>
            <td><input type="password" style="..." name="upassword" placeholder="Enter Password"></td>
        </tr>
        <tr>
            <td>Re-enter Password:</td>
            <td><input type="password" style="..." name="rpassword" placeholder="Enter Re-enter password"></td>
        </tr>
        <tr>
            <td>Gender:</td>
            <td><input type="radio" style="..." name="g" value="male" >Male <input type="radio" name="g" value="Female">Female</td>
        </tr>
        <tr>
            <td>City:</td>
            <td>
                <select name="city" style="...">
                    <option value="ahmedabad">Ahmedabad</option>
                    <option value="udaipur">Udaipur</option>
                </select>
            </td>
        </tr>
    </table>
</form>
```

Fig: - 5.1



```
<!DOCTYPE html>
<head>
    <title>Form</title>
</head>
<center>
<br><br><br><br>
<body bgcolor="#aqua">
<script>
function check(form){
    var email=form.uname.value;
    var name=form.uname.value;
    var phone=form.iphone.value;
    var passform.upassword.value;
    var repass=form.rpassword.value;
    var gender=form.g.value;
    var city=form.city.value;
    if(pass!=repass){
        document.getElementById("msg").innerHTML="password is not similar to re entered password"
    }
    else{
        document.getElementById("msg").innerHTML=<table border='1'><tr><td>Name:</td><td>+name+</td></tr> +
        "<tr><td>Email:</td><td>+email+</td></tr>" +
        "<tr><td>Gender:</td><td>+gender+</td></tr>" +
        "<tr><td>City:</td><td>+city+</td></tr></table>";
    }
}
</script>
<form id="myform" style="...>
    <table>
        <tr>
            <td>Name:</td>
            <td><input type="text" style="..." name="uname" placeholder="Enter Name"></td>
        </tr>
        <tr>
            <td>Phone:</td>
            <td><input type="text" style="..." name="iphone" placeholder="Enter Phone no"></td>
        </tr>
        <tr>
            <td>Email:</td>
            <td><input type="email" style="..." name="uemail" placeholder="Enter Email"></td>
        </tr>
        <tr>
            <td>Password:</td>
            <td><input type="password" style="..." name="upassword" placeholder="Enter Password"></td>
        </tr>
        <tr>
            <td>Re-enter Password:</td>
            <td><input type="password" style="..." name="rpassword" placeholder="Enter Re-enter password"></td>
        </tr>
        <tr>
            <td>Gender:</td>
            <td><input type="radio" style="..." name="g" value="male" >Male <input type="radio" name="g" value="Female">Female</td>
        </tr>
        <tr>
            <td>City:</td>
            <td>
                <select name="city" style="...">
                    <option value="ahmedabad">Ahmedabad</option>
                    <option value="udaipur">Udaipur</option>
                </select>
            </td>
        </tr>
    </table>
</form>
```

Fig: - 5.2

```
<tr><td><input type="password" style="..." name="rpassword" placeholder="Enter Re-enter password"></td>
</tr>
<tr>
<td>Gender:</td>
<td><input type="radio" style="..." name="g" value="Male" checked="" >Male <input type="radio" name="g" value="Female">Female</td>
</tr>
<tr>
<td>City:</td>
<td>
<select name="city" style="...">
<option value="ahmedabad">Ahmedabad</option>
<option value="udaipur">Udaipur</option>
<option value="surat">Surat</option>
<option value="baroda">Baroda</option>
</select>
</td>
</tr>
<tr>
<td colspan="2" align="center"><input align="center" style="..." type="submit" value="Login" onclick="check(this.form); return false;"> <input type="res
66:11
67:11
68:11
69:11
70:11
71:11
72:11
73:11
74:11
```

Fig: - 5.3

Here in first task, we were asked to make a form in which user can enter their data i.e., name, phone, email, password, gender and city. When user press login this code will check password entered is matching or not through the use of JavaScript. If the entered password matched then it will show the information of the user in table format below (fig 5.5) or else it will show that entered password is not matching (fig 5.6).

Output: -

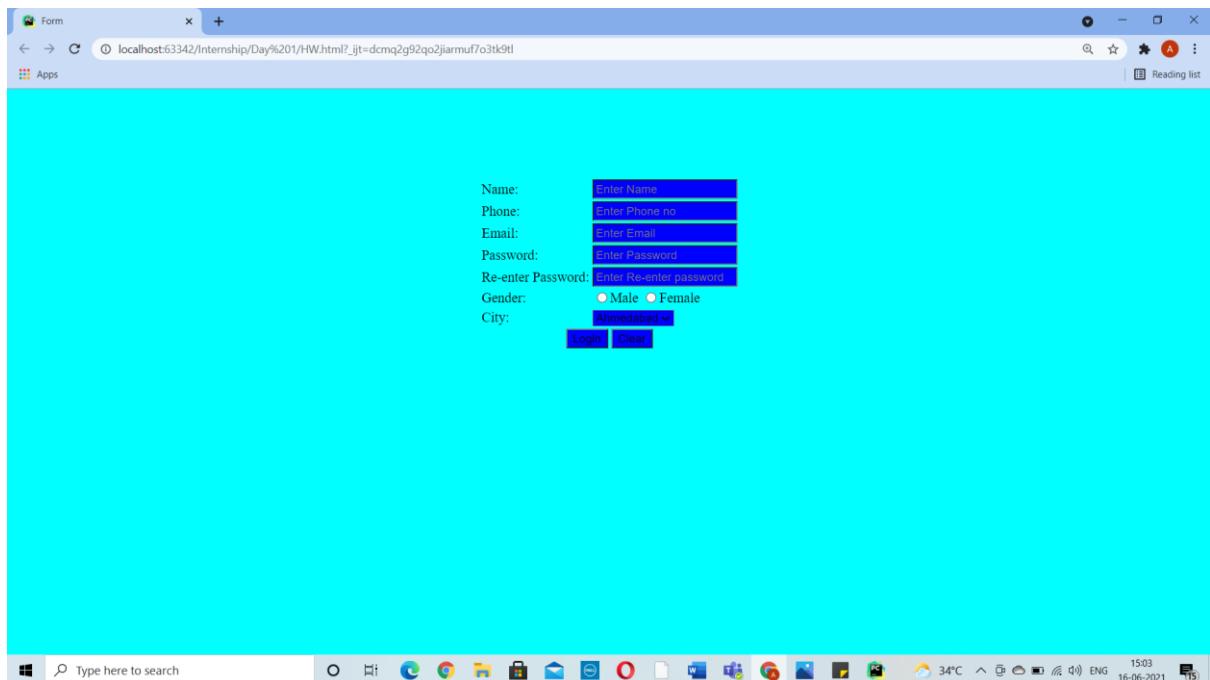


Fig 5.4

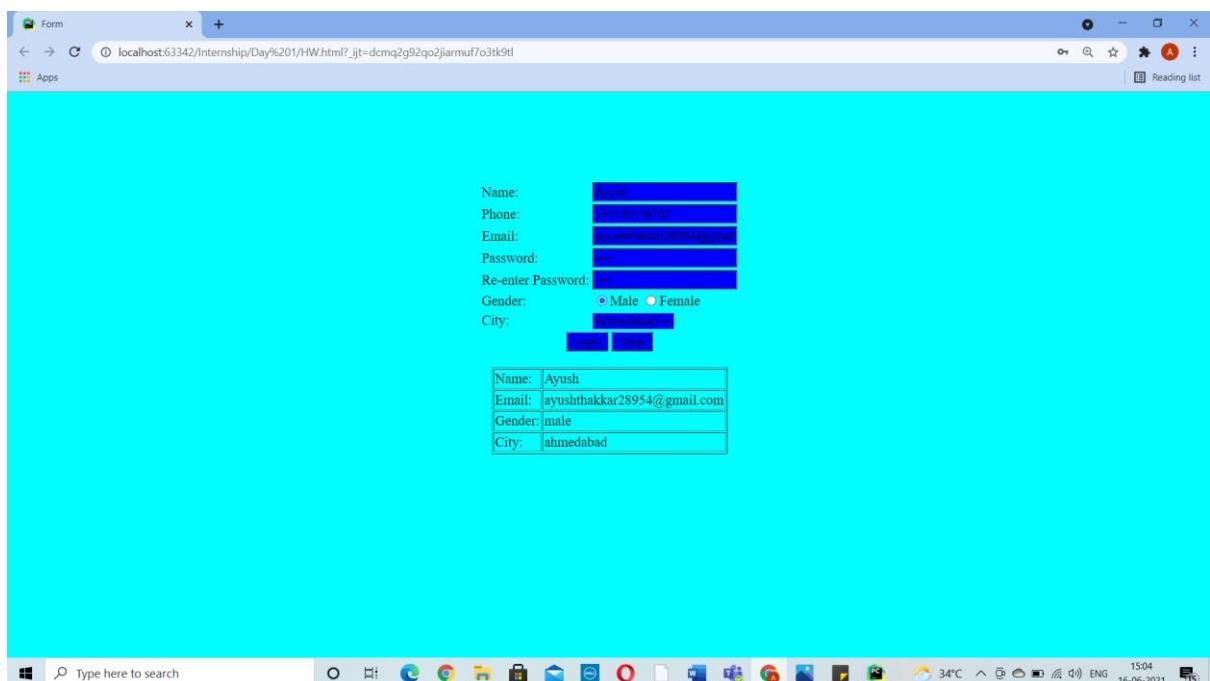


Fig 5.5

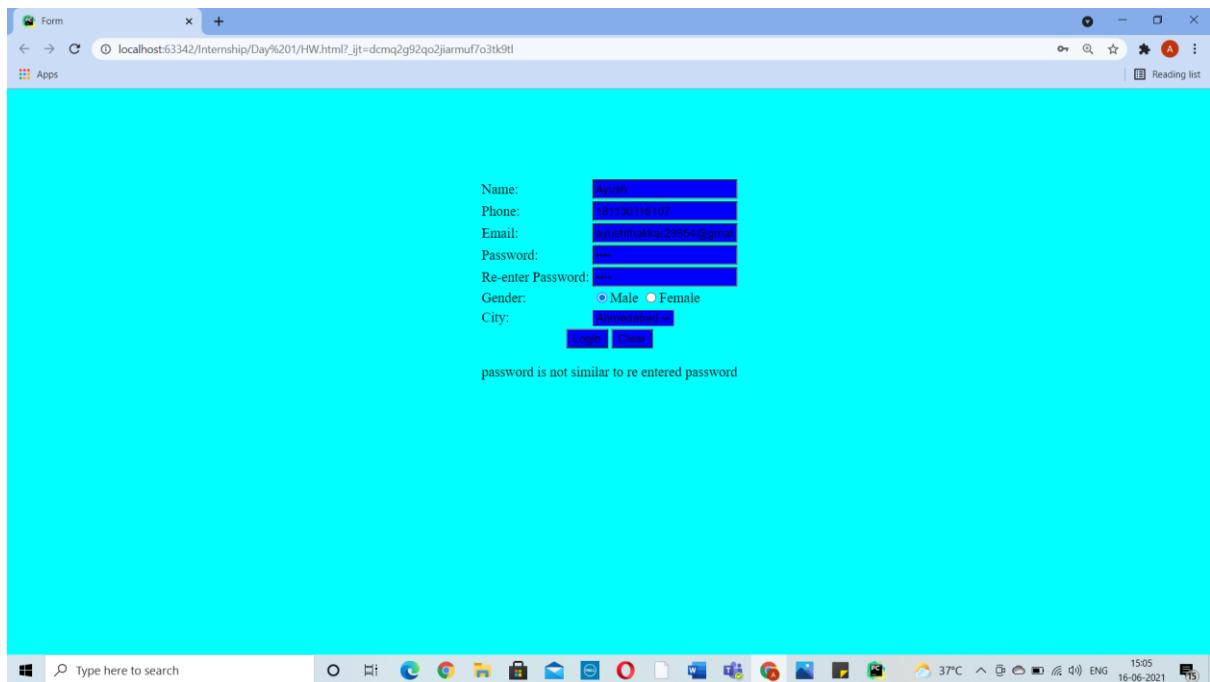
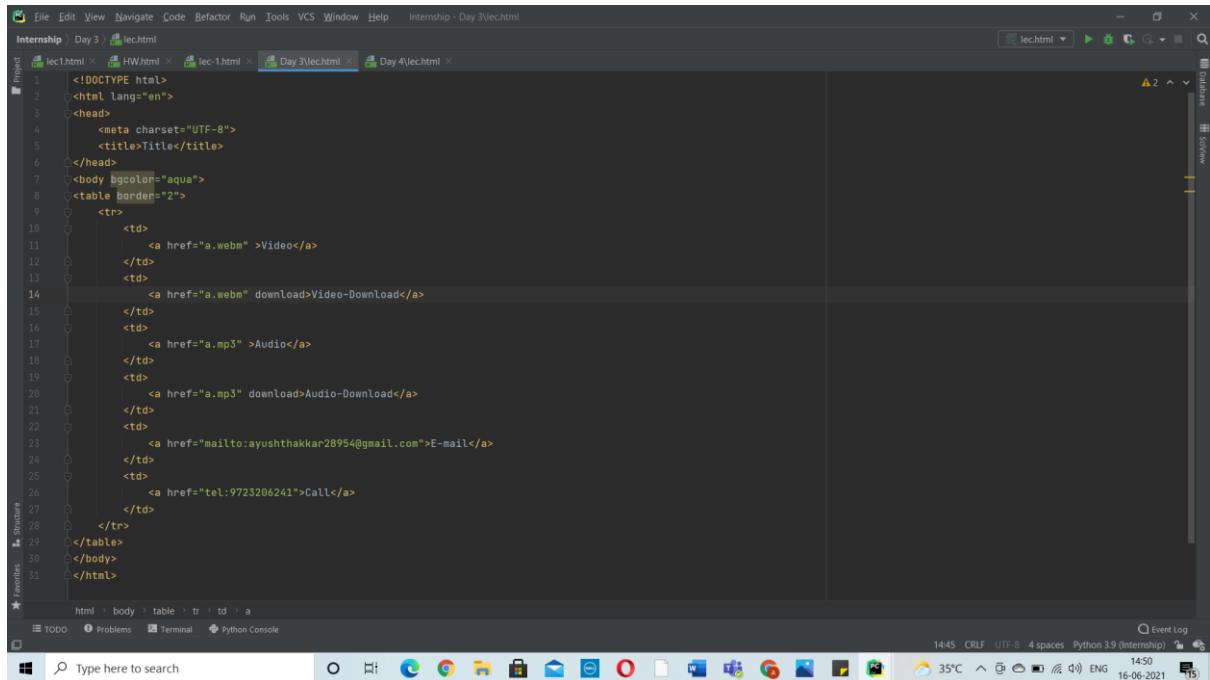


Fig 5.6

Task: - 2



The screenshot shows a code editor window with an HTML file named 'lec.html'. The code defines a table with one row and six columns. The first column contains a link to a video file ('a.webm'). The second column contains a link to download the same video ('a.webm' with 'download' attribute). The third column contains a link to an audio file ('a.mp3'). The fourth column contains a link to download the audio ('a.mp3' with 'download' attribute). The fifth column contains a link to send an email to 'ayushthakkar28954@gmail.com'. The sixth column contains a link to call the phone number '9723206241'. The code is as follows:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Title</title>
</head>
<body bgcolor="aqua">
<table border="2">
    <tr>
        <td>
            <a href="a.webm" >Video</a>
        </td>
        <td>
            <a href="a.webm" download>Video-Download</a>
        </td>
        <td>
            <a href="a.mp3" >Audio</a>
        </td>
        <td>
            <a href="a.mp3" download>Audio-Download</a>
        </td>
        <td>
            <a href="mailto:ayushthakkar28954@gmail.com">E-mail</a>
        </td>
        <td>
            <a href="tel:9723206241">Call</a>
        </td>
    </tr>
</table>
</body>
</html>
```

Fig: - 5.7

- Here in task two, we have set six links. Uses of these links are as follow: -
 1. Link one plays video.
 2. Link two downloads that video.
 3. Link three plays audio.
 4. Link four downloads that audio.
 5. Link five will be used to send E-mail to given(ayushthakkar28954@gmail.com) Mail-id.
 6. Link six will be used to call given(9723206241) phone number.

Output: -

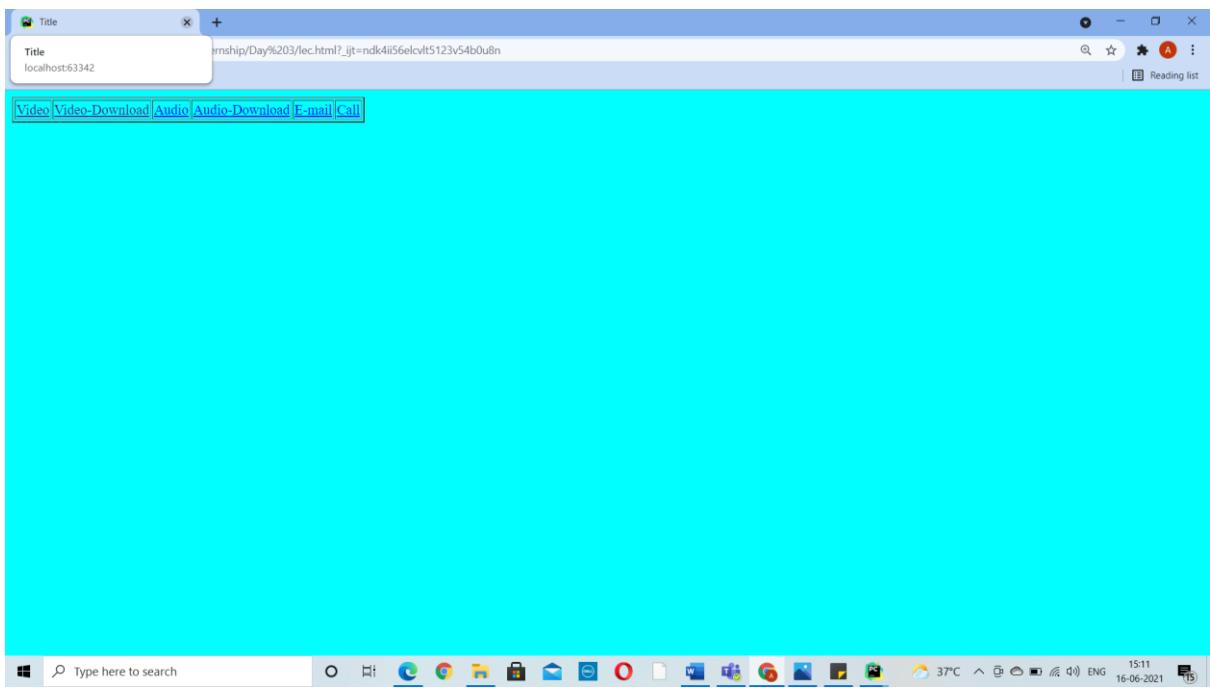


Fig 5.8

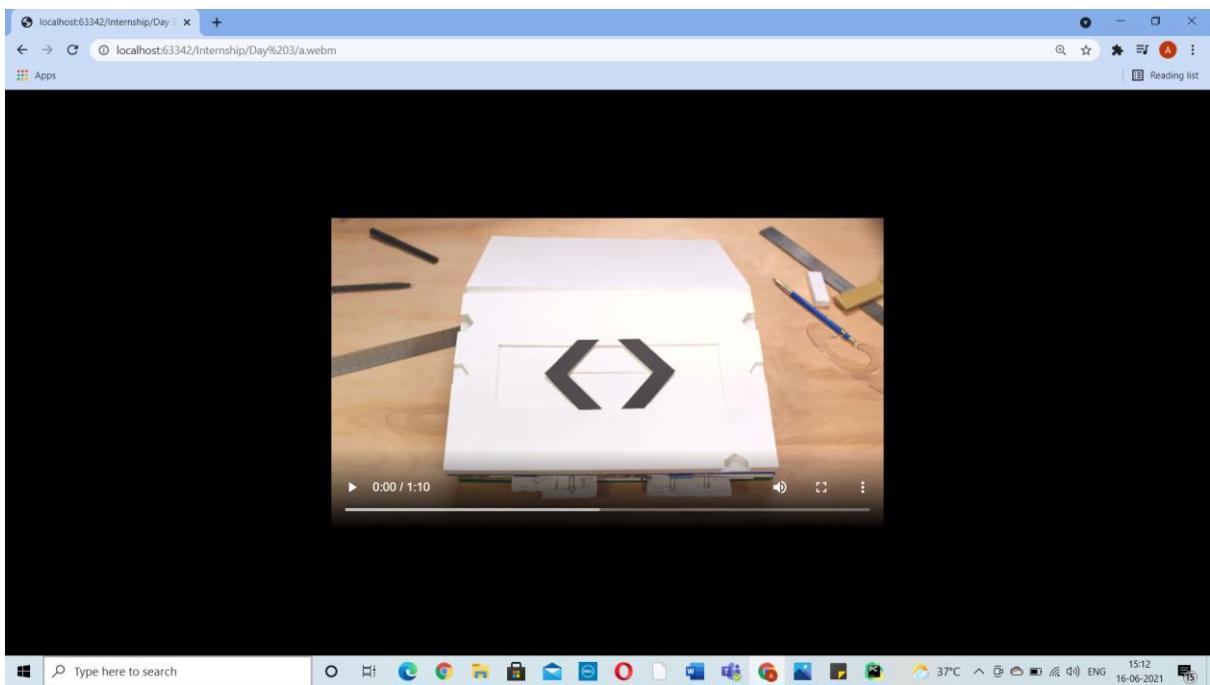


Fig 5.9

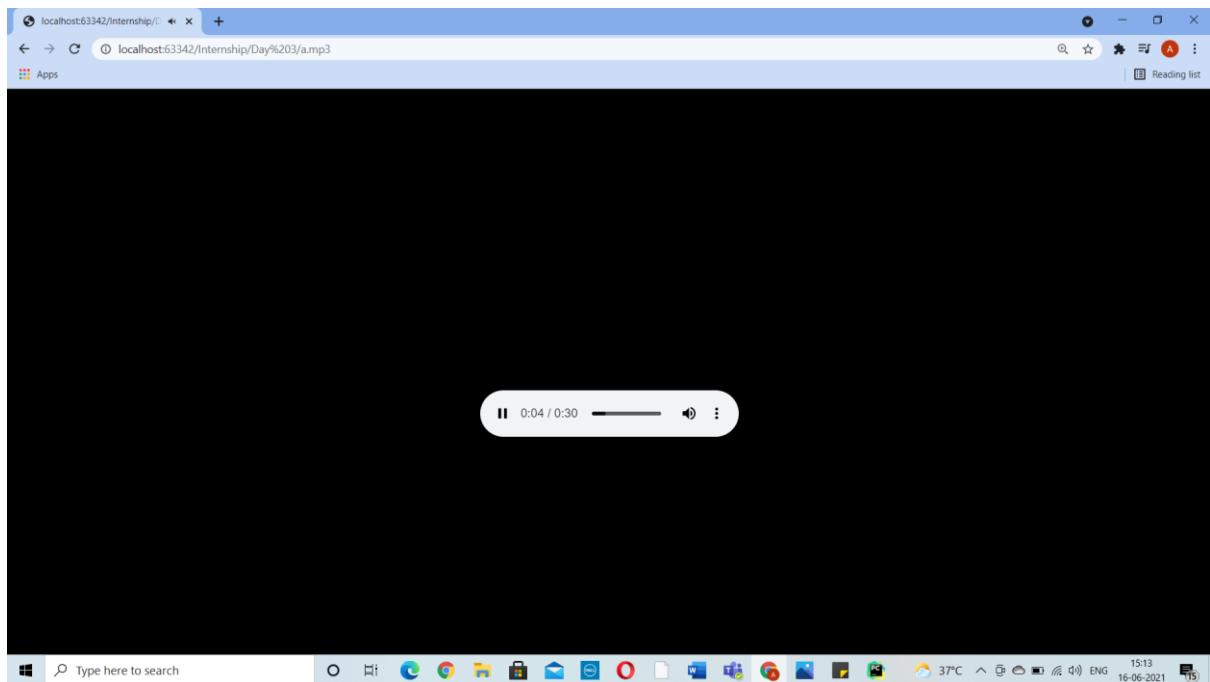
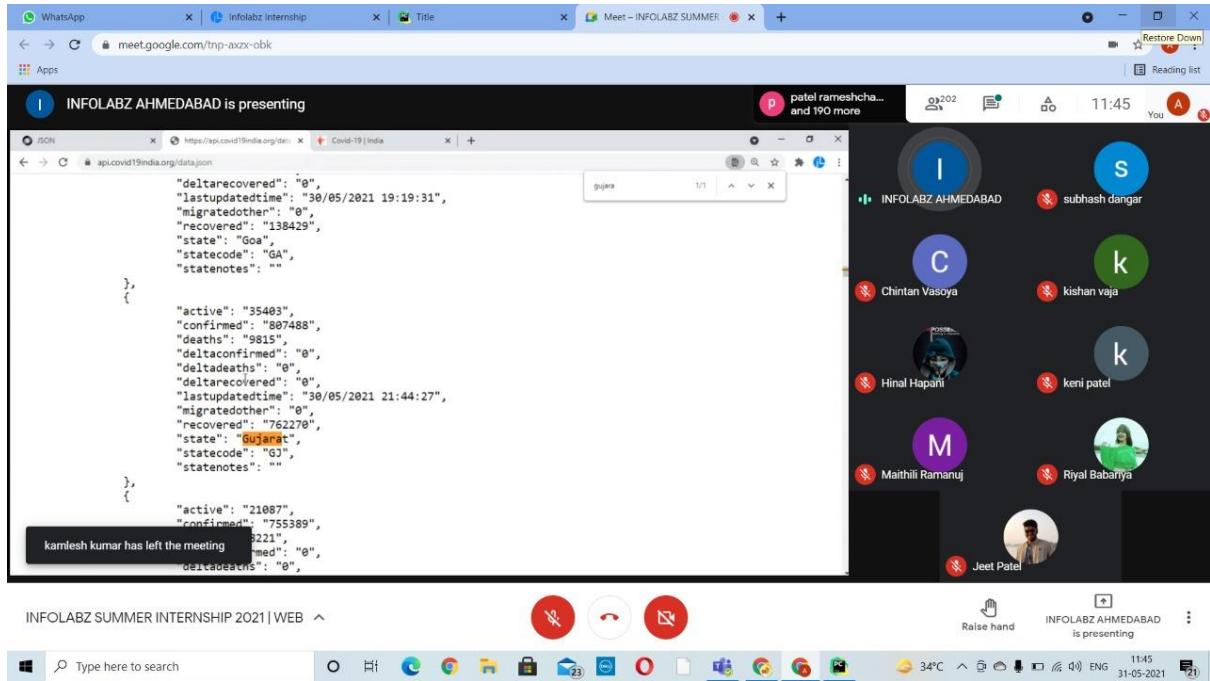


Fig 5.10

Day 6

API



Day 6(31-05-21)

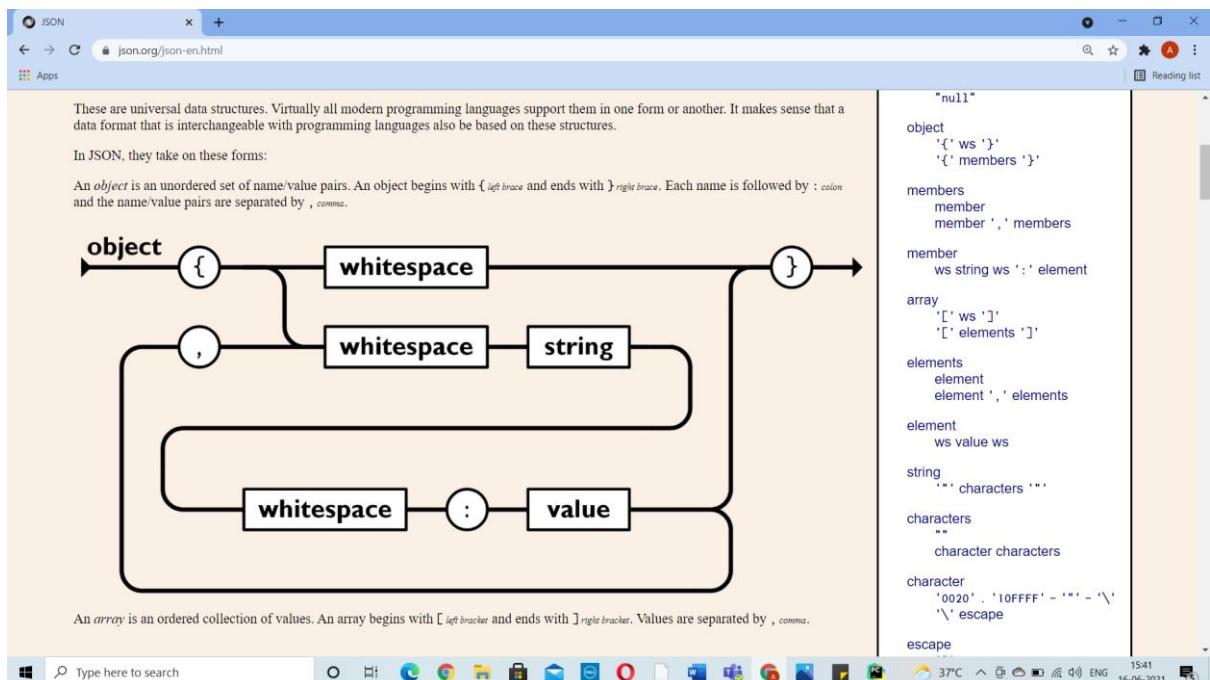
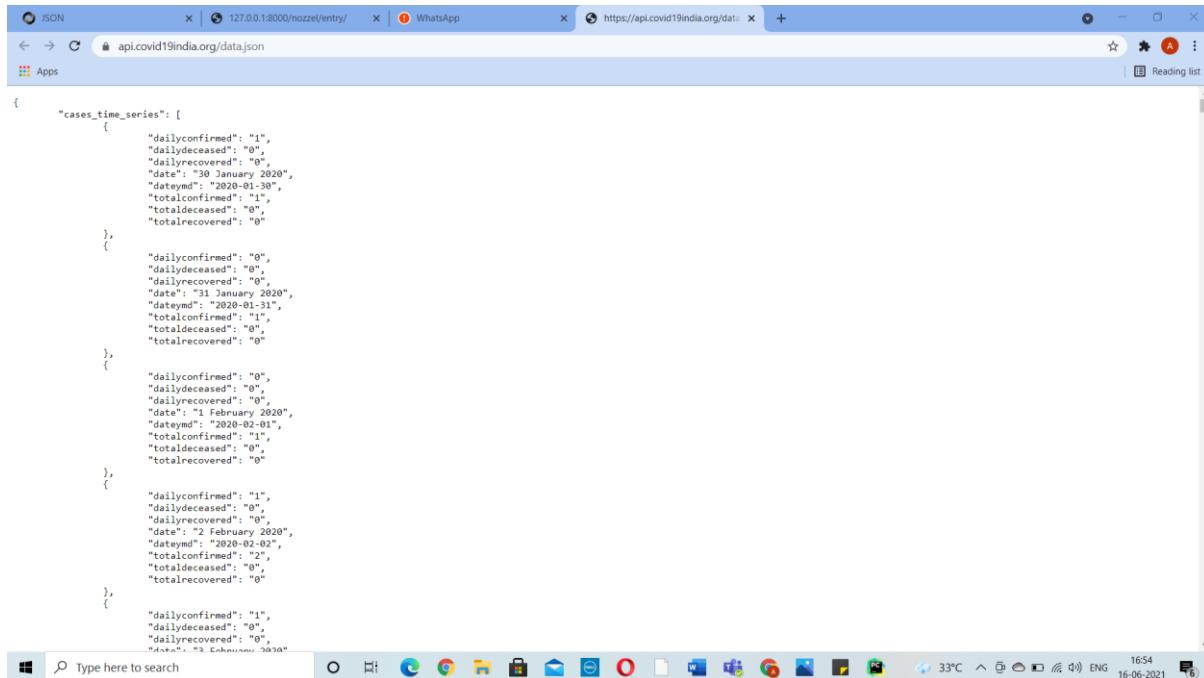


Fig 6.1

On day six, we were given information about Json and were taught that how json works. They also showed some APIs which will be used in further program.

Here are the APIs: -

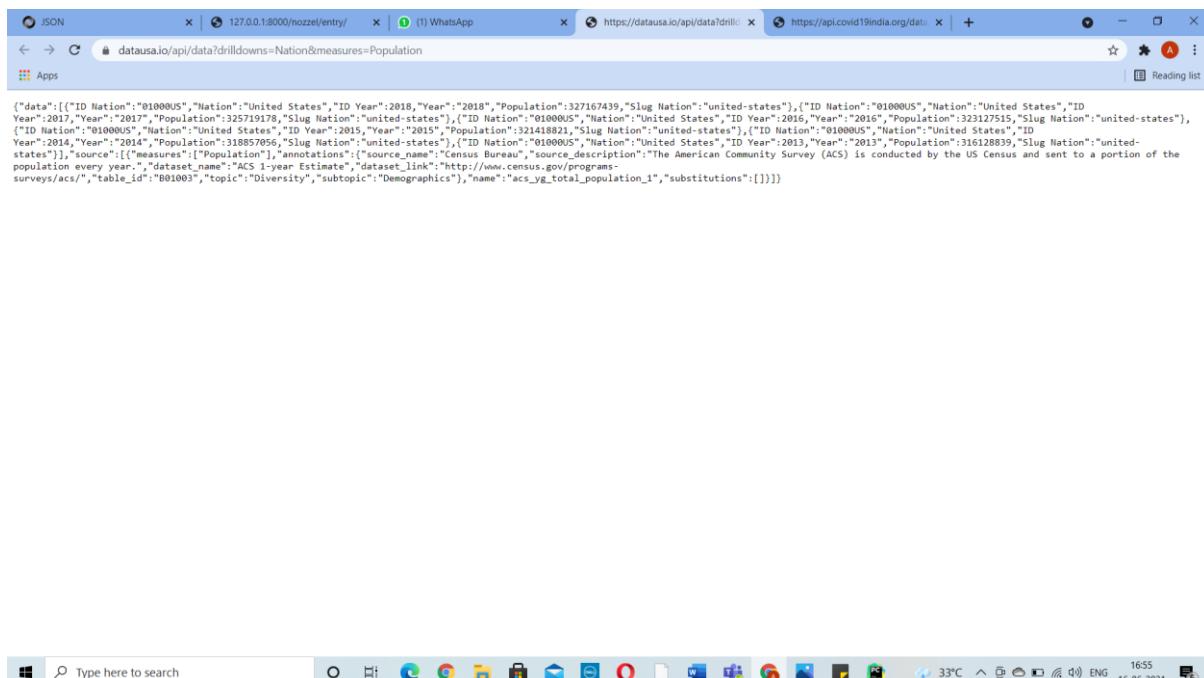
Covid19 API: -



The screenshot shows a Microsoft Edge browser window with multiple tabs open. The active tab displays a JSON object representing daily COVID-19 data over time. The JSON structure includes an array of objects, each representing a day with fields for daily confirmed, daily deceased, daily recovered, date, and total counts. The browser interface includes a search bar at the bottom and a taskbar with various pinned icons.

```
{
  "cases_time_series": [
    {
      "date": "2020-01-30",
      "dailyconfirmed": "1",
      "dailydeceased": "0",
      "dailyrecovered": "0",
      "slug": "30-january-2020",
      "totalconfirmed": "1",
      "totaldeceased": "0",
      "totalrecovered": "0"
    },
    {
      "date": "2020-01-31",
      "dailyconfirmed": "0",
      "dailydeceased": "0",
      "dailyrecovered": "0",
      "slug": "31-january-2020",
      "totalconfirmed": "1",
      "totaldeceased": "0",
      "totalrecovered": "0"
    },
    {
      "date": "2020-02-01",
      "dailyconfirmed": "0",
      "dailydeceased": "0",
      "dailyrecovered": "0",
      "slug": "01-february-2020",
      "totalconfirmed": "1",
      "totaldeceased": "0",
      "totalrecovered": "0"
    },
    {
      "date": "2020-02-02",
      "dailyconfirmed": "1",
      "dailydeceased": "0",
      "dailyrecovered": "0",
      "slug": "02-february-2020",
      "totalconfirmed": "2",
      "totaldeceased": "0",
      "totalrecovered": "0"
    },
    {
      "date": "2020-02-03",
      "dailyconfirmed": "1",
      "dailydeceased": "0",
      "dailyrecovered": "0",
      "slug": "03-february-2020",
      "totalconfirmed": "3",
      "totaldeceased": "0",
      "totalrecovered": "0"
    }
  ]
}
```

U.S Population API: -



The screenshot shows a Microsoft Edge browser window with multiple tabs open. The active tab displays a JSON array representing US population data across different years and measures. The JSON structure includes an array of objects, each representing a dataset with fields for ID, Nation, Year, Population, Slug, and annotations. The annotations field contains detailed descriptions of the data source and purpose. The browser interface includes a search bar at the bottom and a taskbar with various pinned icons.

```
[
  {
    "ID": "01000US",
    "Nation": "United States",
    "Year": 2018,
    "Population": 327167439,
    "Slug": "united-states",
    "Annotations": [
      {
        "Source": "Census Bureau",
        "Description": "The American Community Survey (ACS) is conducted by the US Census and sent to a portion of the population every year. The ACS 1-year Estimate dataset link is provided for reference."}
    ]
  },
  {
    "ID": "01000US",
    "Nation": "United States",
    "Year": 2016,
    "Population": 323127515,
    "Slug": "united-states",
    "Annotations": [
      {
        "Source": "Census Bureau",
        "Description": "The American Community Survey (ACS) is conducted by the US Census and sent to a portion of the population every year. The ACS 1-year Estimate dataset link is provided for reference."}
    ]
  },
  {
    "ID": "01000US",
    "Nation": "United States",
    "Year": 2013,
    "Population": 316128839,
    "Slug": "united-states",
    "Annotations": [
      {
        "Source": "Census Bureau",
        "Description": "The American Community Survey (ACS) is conducted by the US Census and sent to a portion of the population every year. The ACS 1-year Estimate dataset link is provided for reference."}
    ]
  }
]
```

Day 7

(02-06-21)

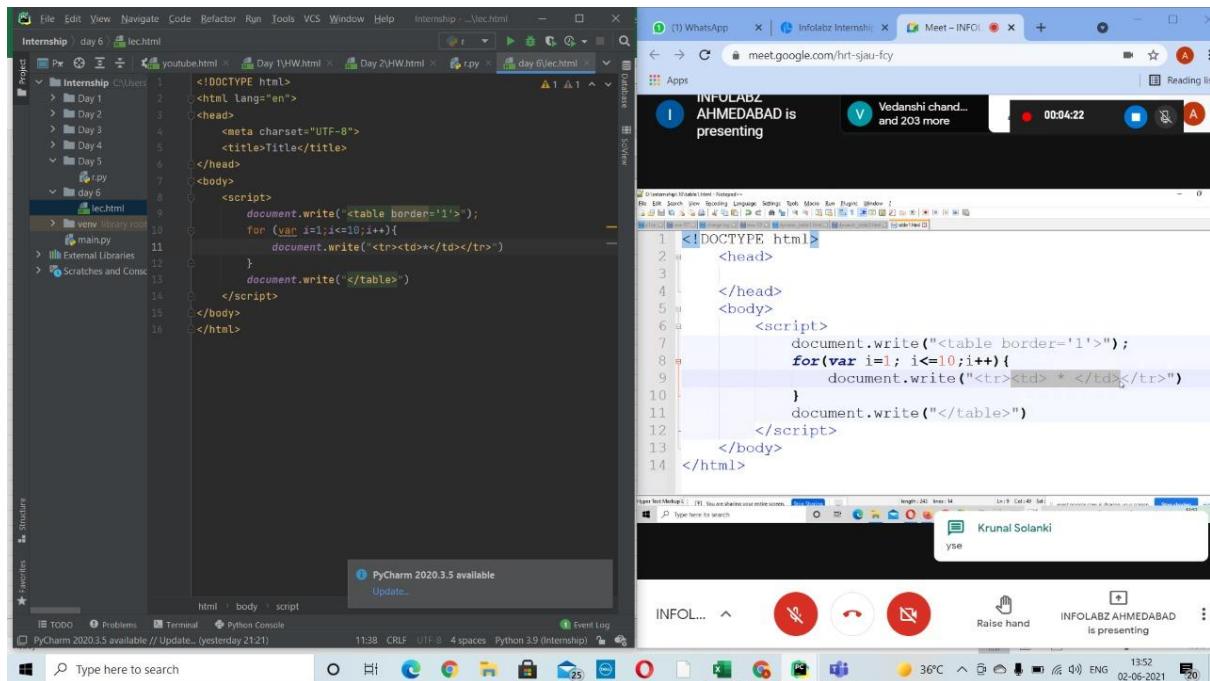


Fig 7.1

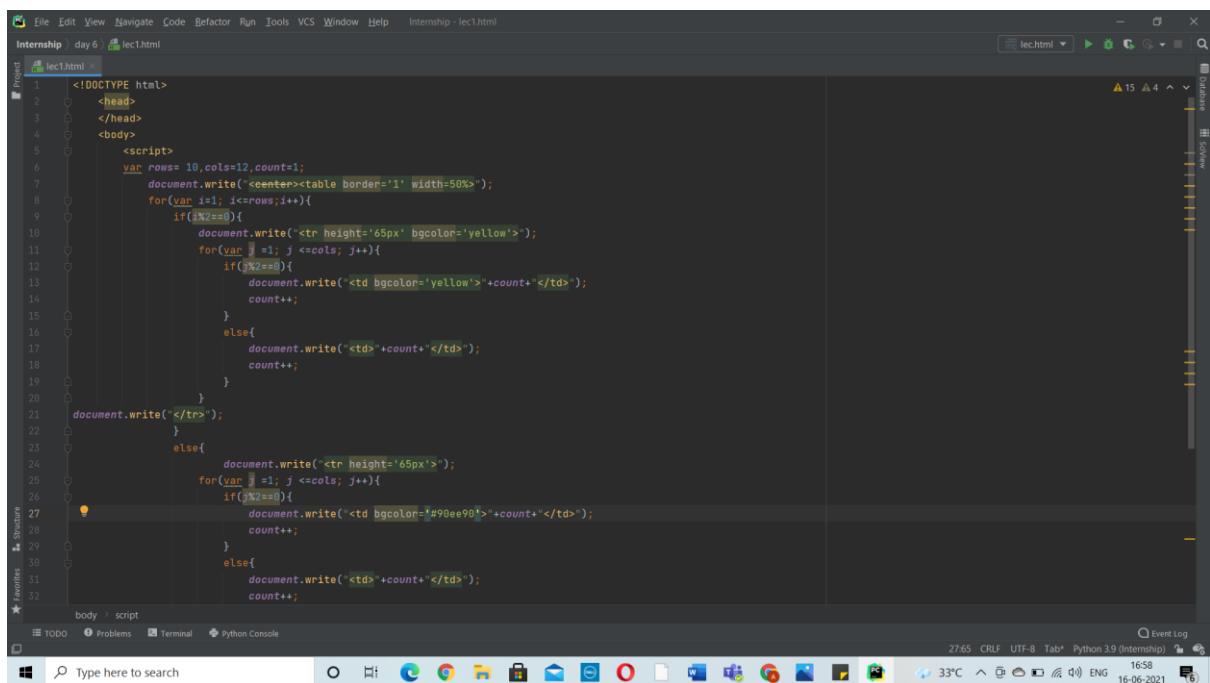


Fig 7.2

The screenshot shows the PyCharm IDE interface with the following details:

- File Menu:** File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, Help.
- Project:** Internship / day 5 / lec1.html
- Code Editor:** The current file is lec1.html, containing JavaScript code to generate a table. The code uses document.write() to construct HTML tables with rows and columns based on user input or specific logic.
- Toolbars and Status Bar:** Includes standard Windows-style toolbars and a status bar at the bottom showing system information like temperature (33°C), time (16:58, 16-06-2021), and Python version (Python 3.9 (Internship)).

```

19     }
20     else{
21         document.write("<td>" + count + "</td>");
22         count++;
23     }
24     document.write("</tr>");
25     }
26     else{
27         document.write("<tr height='65px'>");
28         for(var j = 1; j <=cols; j++){
29             if(j%2==0){
30                 document.write("<td bgcolor='#90ee90'>" + count + "</td>");
31             }
32             else{
33                 document.write("<td>" + count + "</td>");
34             }
35         }
36         document.write("</tr>");
37     }
38     document.write("</table></center>");
39     </script>
40 </body>
41 </html>

```

Fig 7.3

In this lecture we got to know how to generate dynamic column's table using JavaScript. And we were supposed to make chess board as shown below.

The screenshot shows the PyCharm IDE interface with the following details:

- File Menu:** File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, Help.
- Project:** Internship / day 6 / task.html
- Code Editor:** The current file is task.html, containing JavaScript code to generate an 8x8 chessboard table. The code uses document.write() to construct the table with alternating black and white cells.
- Toolbars and Status Bar:** Includes standard Windows-style toolbars and a status bar at the bottom showing system information like temperature (33°C), time (17:08, 16-06-2021), and Python version (Python 3.9 (Internship)).

```

1 <!DOCTYPE html>
2 <head>
3     <title>Chess Board</title>
4 </head>
5 <body>
6     <script>
7         var rows=8, cols=8, count=1;
8         document.write("<table align='center' border='1' width='50%'>");
9         for (var i=1;i<rows; i++) {
10             document.write("<tr height='65px'>");
11             for (var j=1;j<cols; j++) {
12                 if((i+j)%2!=0) {
13                     document.write("<td bgcolor='black'></td>");
14                 }
15                 else{
16                     document.write("<td></td>");
17                 }
18             }
19             document.write("</tr>");
20         }
21         document.write("</table>");
22     </script>
23 </body>
24 </html>

```

Fig 7.4 Chess board code

Output: -

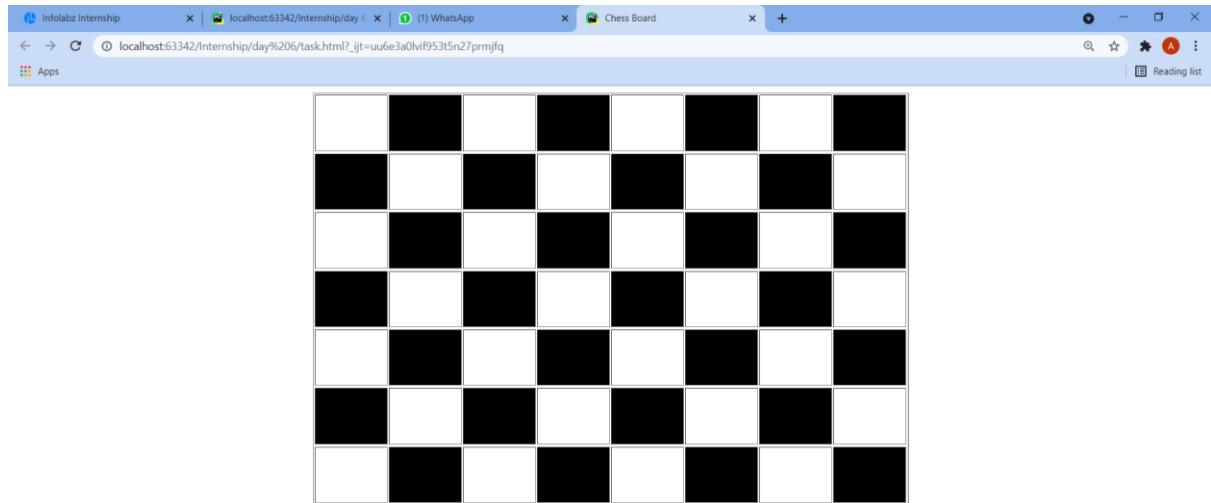


Fig 7.5 Chess Board Output

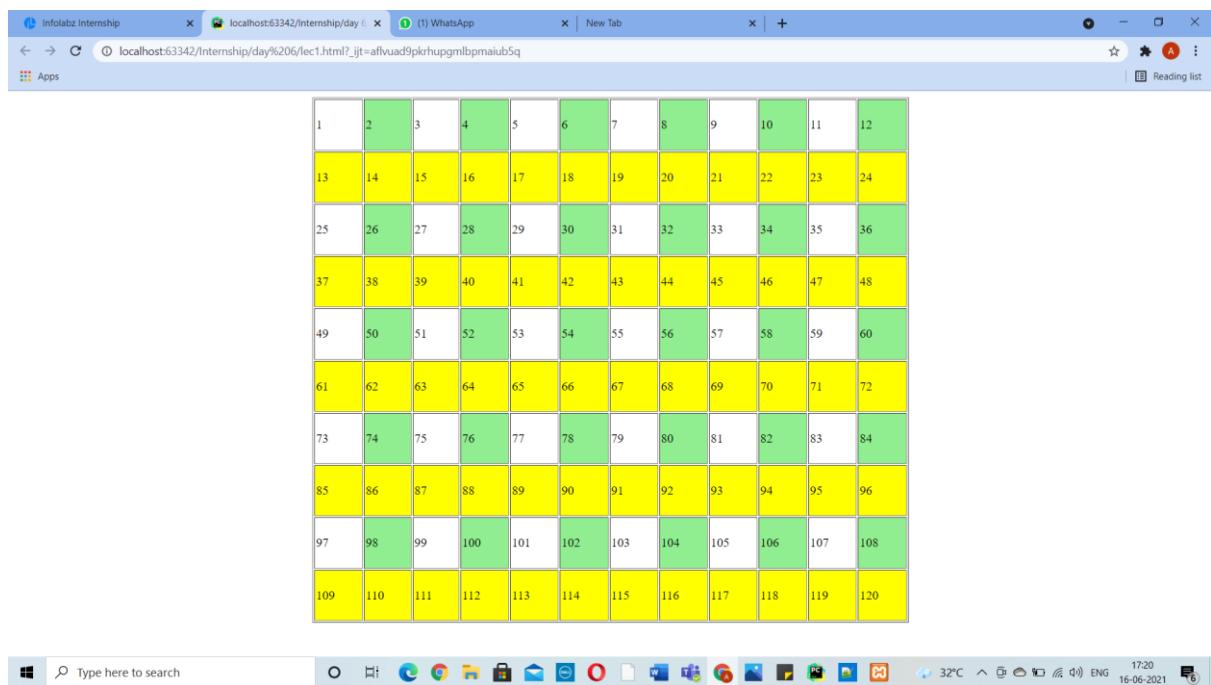


Fig 7.6 1st program output

Day 8 PHP

(04-06-21)

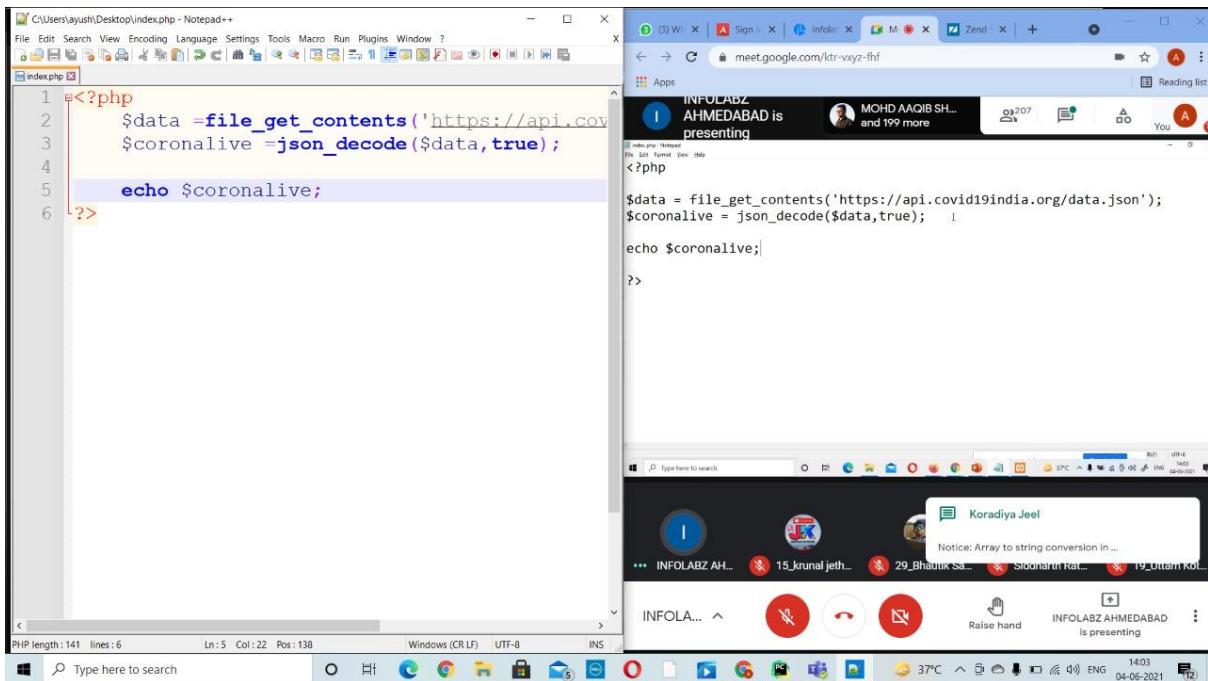


Fig 8.1

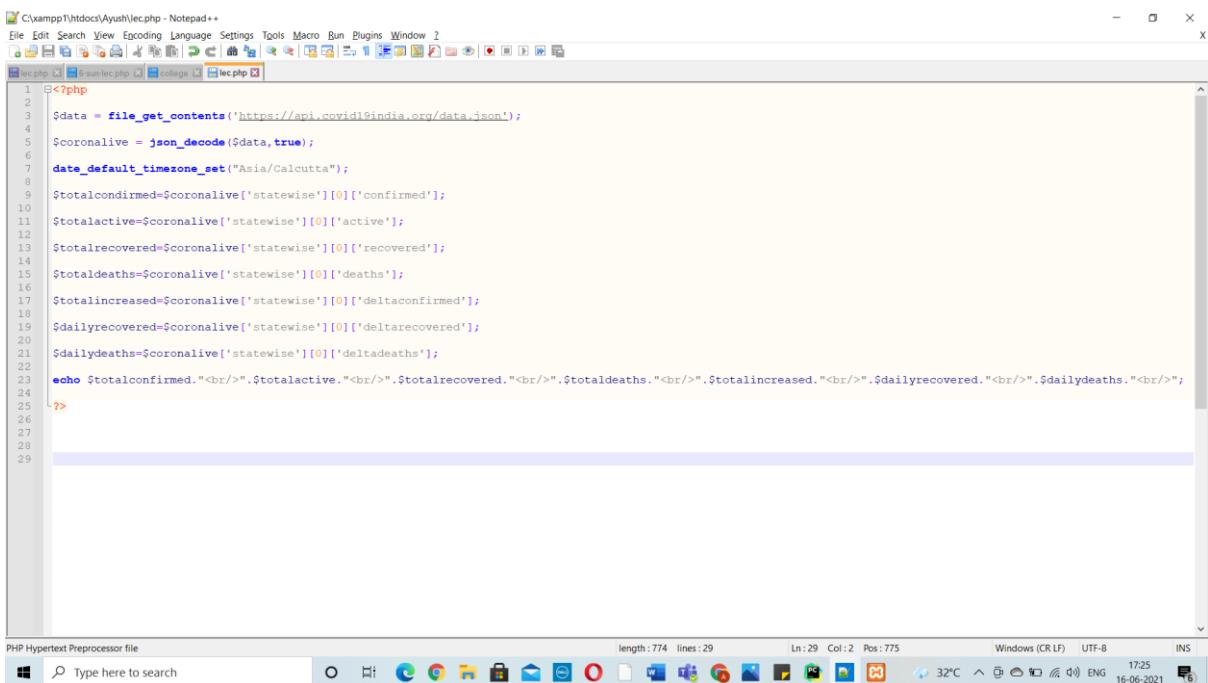


Fig 8.2

On Day eight, introduction to a new language PHP was given. Taught basics oh PHP, getting familiar with new language as well as of API / JSON and applying a live API in the project. Here the API that is been used is of Covid. In this program we have used following API (<https://api.covid19india.org/data.json>)

Output: -



Warning: Undefined variable \$totalconfirmed in C:\xampp\htdocs\Ayush\lec.php on line 23

863862
28381884
379658
4769
1193
56



Day 9

Covid19 Daily updates

(06-06-21)

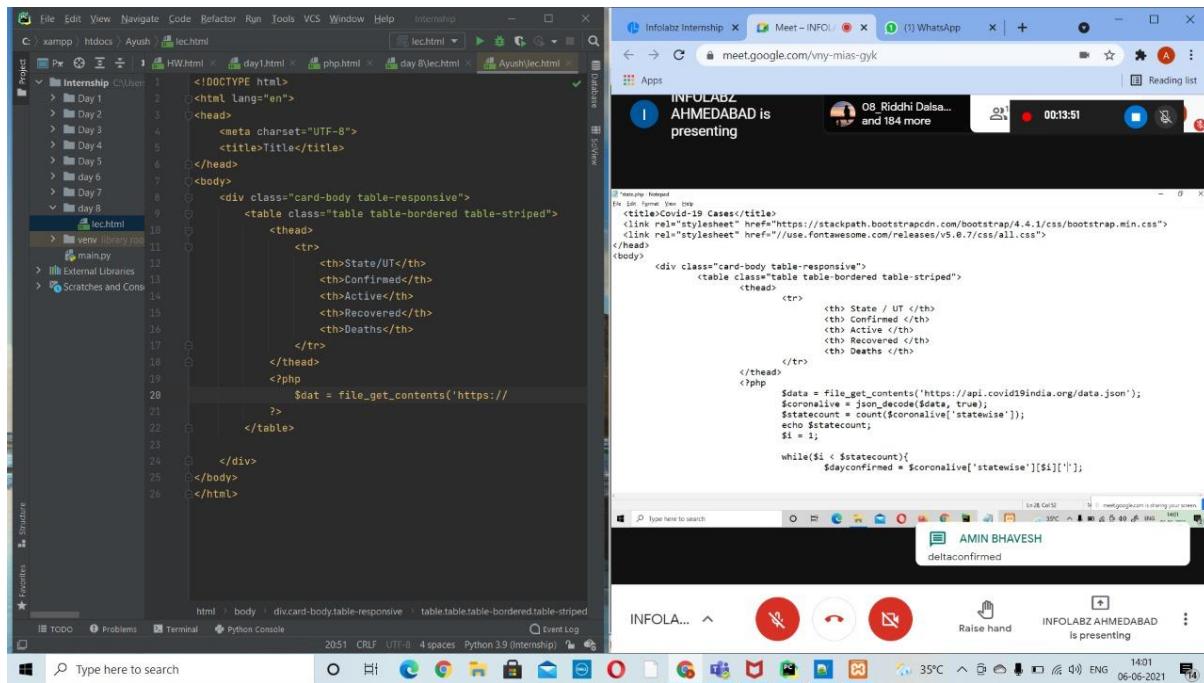


Fig 9.1

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Covid-19 Cases</title>
5   <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css">
6   <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.0.7/css/all.css">
7 </head>
8 <body>
9   <div class="card-body table-responsive">
10  <table class="table table-bordered table-striped">
11    <thead>
12      <tr>
13        <th>State/UT</th>
14        <th>Confirmed</th>
15        <th>Active</th>
16        <th>Recovered</th>
17        <th>Deaths</th>
18      </tr>
19    </thead>
20    <tbody>
21      <tr>
22        $data = file_get_contents('https://api.covid19india.org/data.json');
23        $coronalive = json_decode($data, true);
24        $statecount = count($coronalive['statewise']);
25        echo $statecount;
26        $i = 1;
27        while($i < $statecount){
28          $dayconfirmed = $coronalive['statewise'][$i]['deltaconfirmed'];
29        }
30      </tbody>
31    </table>
32  </div>
33 </body>
34 </html>

```

Fig 9.1

The screenshot shows a Notepad++ window with the file '6-sun-lec.php' open. The code is a PHP script that fetches data from a COVID-19 API and displays it in an HTML table. The code includes logic to loop through states, calculate daily confirmed cases, and echo the data into table rows. The Notepad++ interface shows syntax highlighting for PHP and HTML, and the status bar indicates the file is a PHP Hypertext Preprocessor file.

```
22 $data = file_get_contents('https://api.covid19india.org/data.json');
23 $coronalive = json_decode($data,true);
24 $statecount = count($coronalive['statewise']);
25
26 $i=1;
27
28 while($i < $statecount){
29     $dayconfirmed = $coronalive['statewise'][$i]['deltaconfirmed'];
30     $recovered = $coronalive['statewise'][$i]['recovered'];
31     $deaths = $coronalive['statewise'][$i]['deltadeaths'];
32     $statename = $coronalive['statewise'][$i]['state'];
33
34 ?>
35 <tr>
36     <td> <?php echo $statename; ?> </td>
37     <td><?php echo $coronalive['statewise'][$i]['confirmed']?></td>
38     <td><?php echo $coronalive['statewise'][$i]['active']?></td>
39     <td><?php echo $coronalive['statewise'][$i]['recovered']?></td>
40     <td><?php echo $coronalive['statewise'][$i]['deaths']?></td>
41 </tr>
42 <?php
43     $i++;
44 ?>
45 </table>
46 </div>
47 </body>
48 </html>
```

Fig 9.2

In this program we integrated Covid-19 API and using that API we have shown data in table format state wise **confirmed, active, recovered and death cases**. We have used CSS for table layout. Whenever you refresh page, it will update daily cases.

Output: -

A screenshot of a Microsoft Edge browser window. The title bar says "Covid-19 Cases" and the address bar shows "un-lec.php" under "localhost". The main content is a table with the following data:

State/UT	Confirmed	Active	Recovered	Deaths
Andaman and Nicobar Islands	7280	105	7049	126
Andhra Pradesh	1820134	75134	1732948	12052
Arunachal Pradesh	31938	2849	28934	155
Assam	466590	39837	421378	4028
Bihar	717949	4359	704075	9514
Chandigarh	61200	486	59917	797
Chhattisgarh	988172	11717	963113	13342
Dadra and Nagar Haveli and Daman and Diu	10473	64	10372	4
Delhi	1431498	3078	1403569	24851
Goa	163048	4175	155926	2947
Gujarat	821078	8884	802187	10007
Haryana	766357	3703	753584	9070
Himachal Pradesh	199197	4050	191732	3394

Fig 9.3

A screenshot of a Microsoft Edge browser window, identical to Fig 9.3. The title bar says "Covid-19 Cases" and the address bar shows "un-lec.php" under "localhost". The main content is a table with the following data:

State/UT	Confirmed	Active	Recovered	Deaths
Andaman and Nicobar Islands	7280	105	7049	126
Andhra Pradesh	1820134	75134	1732948	12052
Arunachal Pradesh	31938	2849	28934	155
Assam	466590	39837	421378	4028
Bihar	717949	4359	704075	9514
Chandigarh	61200	486	59917	797
Chhattisgarh	988172	11717	963113	13342
Dadra and Nagar Haveli and Daman and Diu	10473	64	10372	4
Delhi	1431498	3078	1403569	24851
Goa	163048	4175	155926	2947
Gujarat	821078	8884	802187	10007
Haryana	766357	3703	753584	9070
Himachal Pradesh	199197	4050	191732	3394

Fig 9.4

Mizoram	15899	3637	12191	71
Nagaland	23854	2972	19753	459
Odisha	863061	47796	811780	3485
Puducherry	113622	4495	107425	1702
Punjab	589153	10802	562701	15650
Rajasthan	950133	5619	935658	8856
Sikkim	18659	3239	14887	284
State Unassigned	0	0	0	0
Tamil Nadu	2378298	125215	2223015	30068
Telangana	606436	19933	582993	3510
Tripura	60382	4923	54810	626
Uttar Pradesh	1703207	7221	1674072	21914
Uttarakhand	337449	3642	321064	6985
West Bengal	1468044	20046	1430949	17049

Fig 9.5

Day 10

Task Day

Fig-9.5

Fig-9.6

In this task university API is integrated. When we will run this program, it will show a search bar through which you will be able to search any universities country wise. For example, we have searched India it will show all the universities in India with names, state and website of that particular country. After that when you click on website it will open that university website

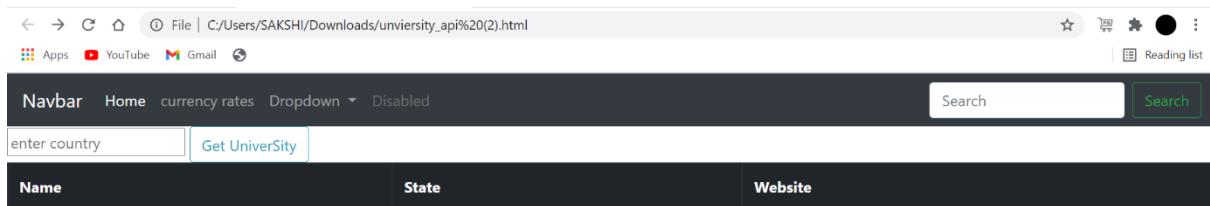


Fig-9.7

Name	State	Website
DAV Institute of Engineering & Technology	Punjab	website
Lovely Professional University	Punjab	website
Somaiya Vidyavihar		website
NorthCap University	Haryana	website
Dharamsinh Desai University	Gujarat	website
University of Health Sciences Andhra Pradesh	Andhra Pradesh	website
Allahabad Agricultural Institute, Deemed University		website
Assam Agricultural University	Assam	website
Ahmedabad University	Gujarat	website

Fig-9.8

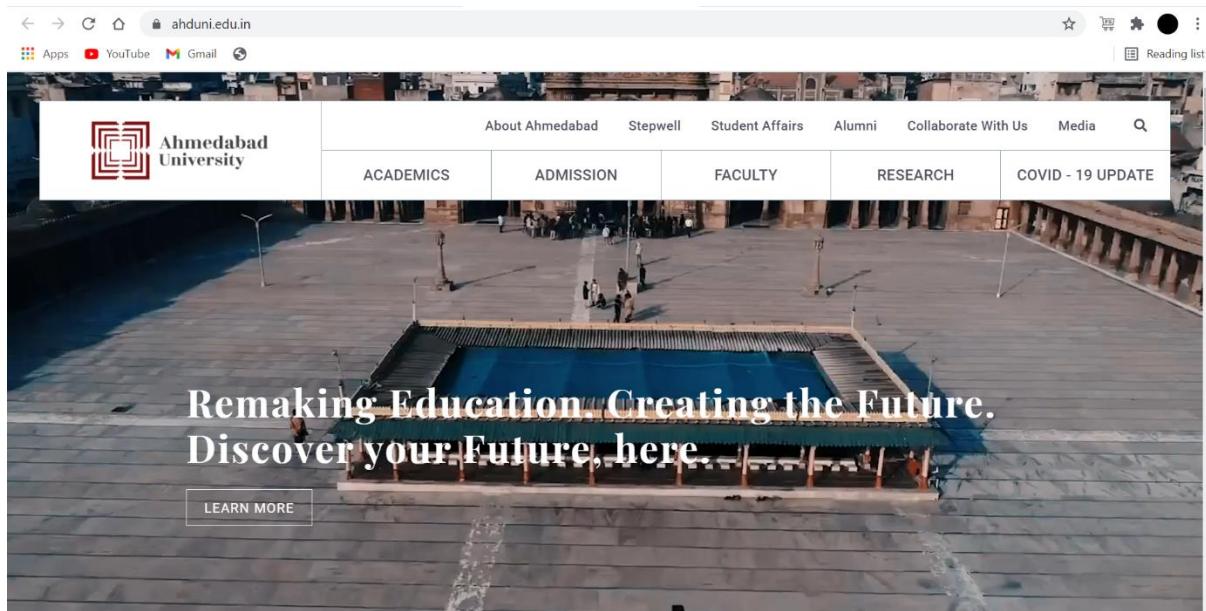


Fig-9.9

A screenshot of a web application displaying a table of Iranian universities. The table has three columns: Name, State, and Website. Each row contains the name of a university, its location state, and a link to its website.

Name	State	Website
Tabari Institute of Higher Education	Mazandaran	website
Amirkabir College of Management & Technology	Tehran	website
Adibian Institute of Higher Education	Semnan	website
Ahvaz Jondishapur University of Medical Sciences	Khuzestan	website
Islamic Azad University, Aliabad	Golestan	website
Al-Mustafa International University	Qom	website
Arak University of Medical Sciences	Markazi	website
Arak University	Markazi	website
Arak University of Technology	Markazi	website

Fig-9.10

2.2 My Roles and Responsibilities

I am an intern in InfoLabz IT Services.

My responsibility is:

1. Fulfil tasks set out by mentors
2. Learn and gain experience
3. Attend meetings and take minutes

Chapter 3

Skills Learned

3.1 About the Skill's

- Interpersonal
- Initiative
- Receptiveness
- Research and Analysis
- Time management
- Technical Proficiency
- Problem Solving Skills

3.2 How do I learnt the Skill's

- Expertise
- Independence
- Believe in yourself
- Sense Of accomplishment

Chapter 4

Overall Experience

4.1 Technical Experience

- I learn basic html, JavaScript concepts as an intern.
- I also developing, design and maintain reusable code.
- As an intern I learn how to deal with real life projects from my guide.

4.2 Personal Experience

- I undertook a six-week internship at a local bank, called **InfoLabz IT Services**. I learn many things required for web development. we were assigned a mentor. We were expected to report back to our mentor at the end of each week with questions and an overview of what we had learned.
- I also gained a better understanding of the IT industry, gained a few new references for the future. But most importantly, I gained a **new sense of professionalism** and a clearer view of what it meant to be in the professional world.

Conclusion

On the whole, this internship was a useful experience. I have gained new knowledge, skills and met many new people. I achieved several of my learning goals, however for some the conditions did not permit. I got insight into professional practice. I learned the different facets of working within a company. I experienced that financing, as in many organisations, is an important factor for the progress of projects. Related to my study I learned more about how to make project in front-end. There is still a lot to discover and to improve. The methods used at the moment are still not standardized and a consistent method is in development.

The internship was also good to find out what my strengths and weaknesses are. This helped me to define what skills and knowledge I have to improve in the coming time. It would be better that the knowledge level of the language is sufficient to contribute fully to projects. When my degree is completed, I think that I could start my working career. However, I could perform certain tasks in this field also in back-end if I get chance to try my hands on that too. It would also be better if I can present and express myself more confidently.

Bibliography

Websites:

- <https://www.json.org/json-en.html>
- <https://api.covid19india.org/data.json>
- www.w3schools.com

Books:

- JSON For Beginners
- PHP and MYSQL
- HTML , CSS , JavaScript