



COVID-19 Worker Relief

A Data Entry System to take input in the google form using a HTML webpage

Overview

This system uses google form at the back-end to generate spread-sheets with the html at the front-end to make the website look normal. In this system we have used <https://www.000webhost.com/> as our hosting platform.

Goals

1. This system can take the multiple entries using a website
2. The entered data gets managed automatically in the excel sheet with the timestamp at which it is being entered.

Specifications

This system uses the google docs api in the back-end so the spec's get updates with the time as well as in the <https://www.000webhost.com/> the hosting is being provided for free with some restrictions.

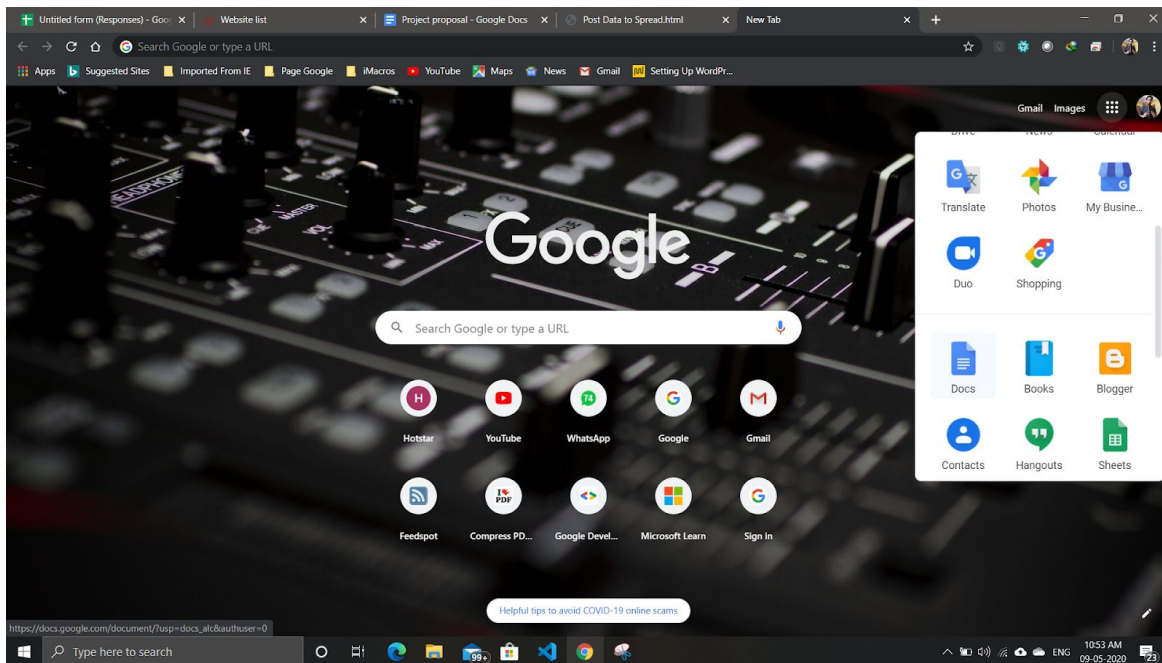
Pre-requisites

1. A Google Form
2. Microsoft Visual Studio Code (Or any other Text Editor)

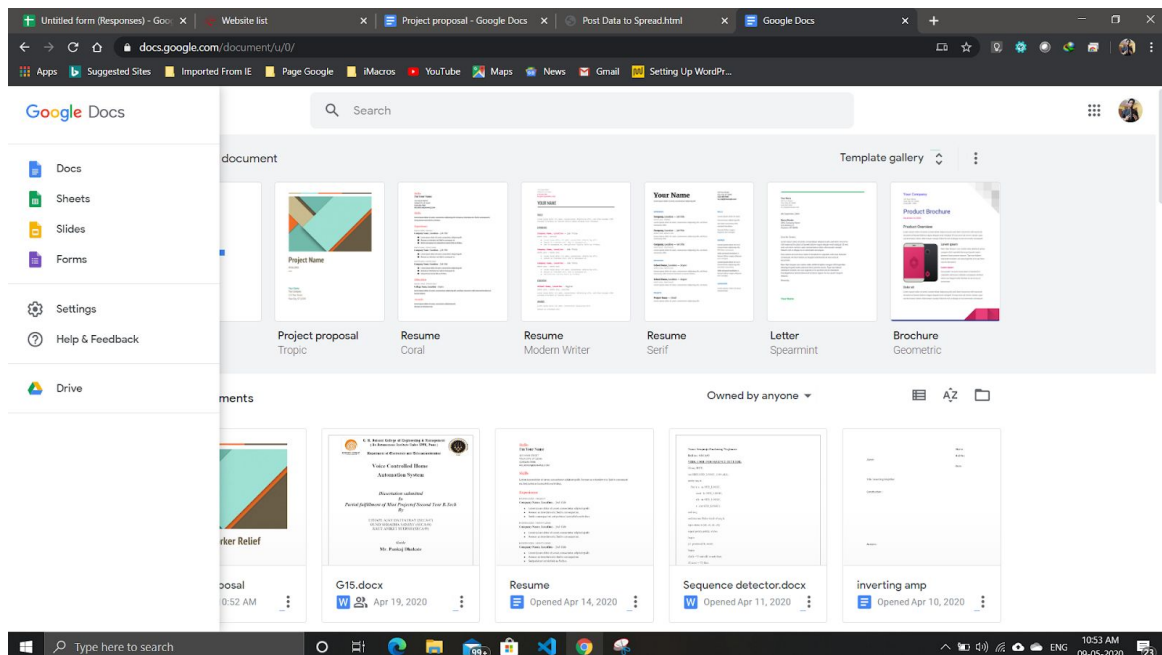
Creating A Google Form

Step1: Open Your Google Account in Browser

Step2: Go to apps section of your google account and choose docs option.

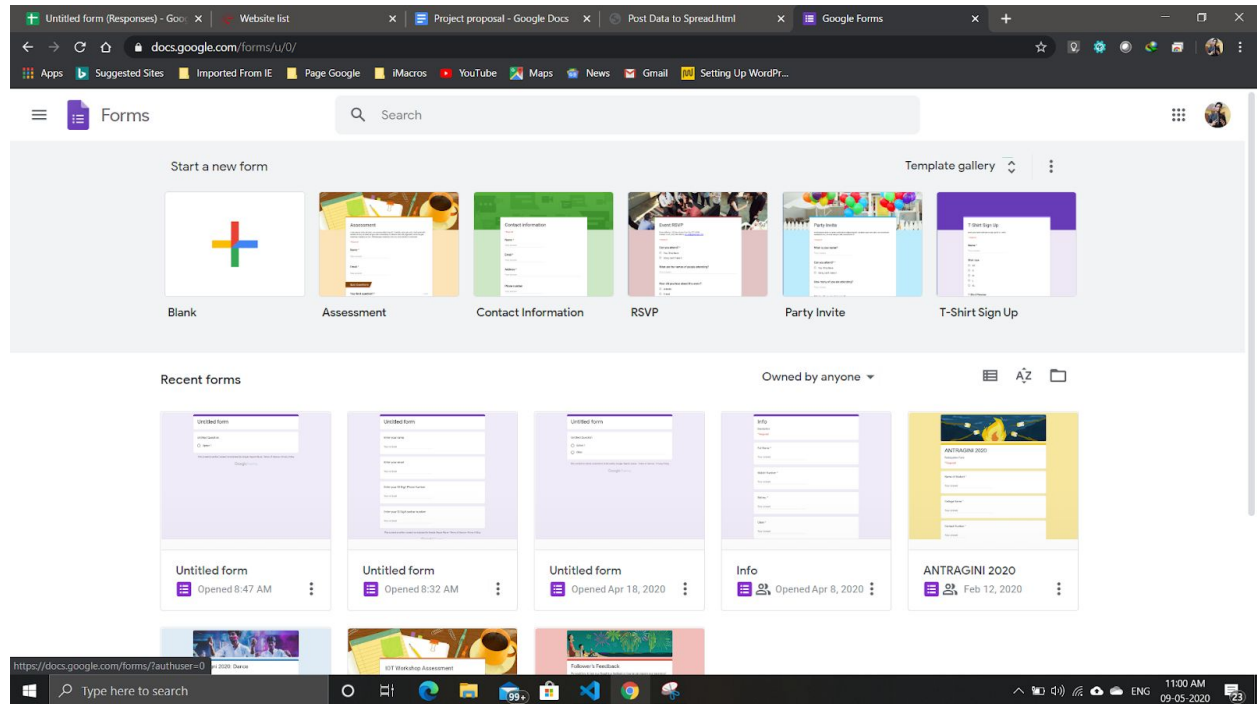


Step3: Click on the docs.



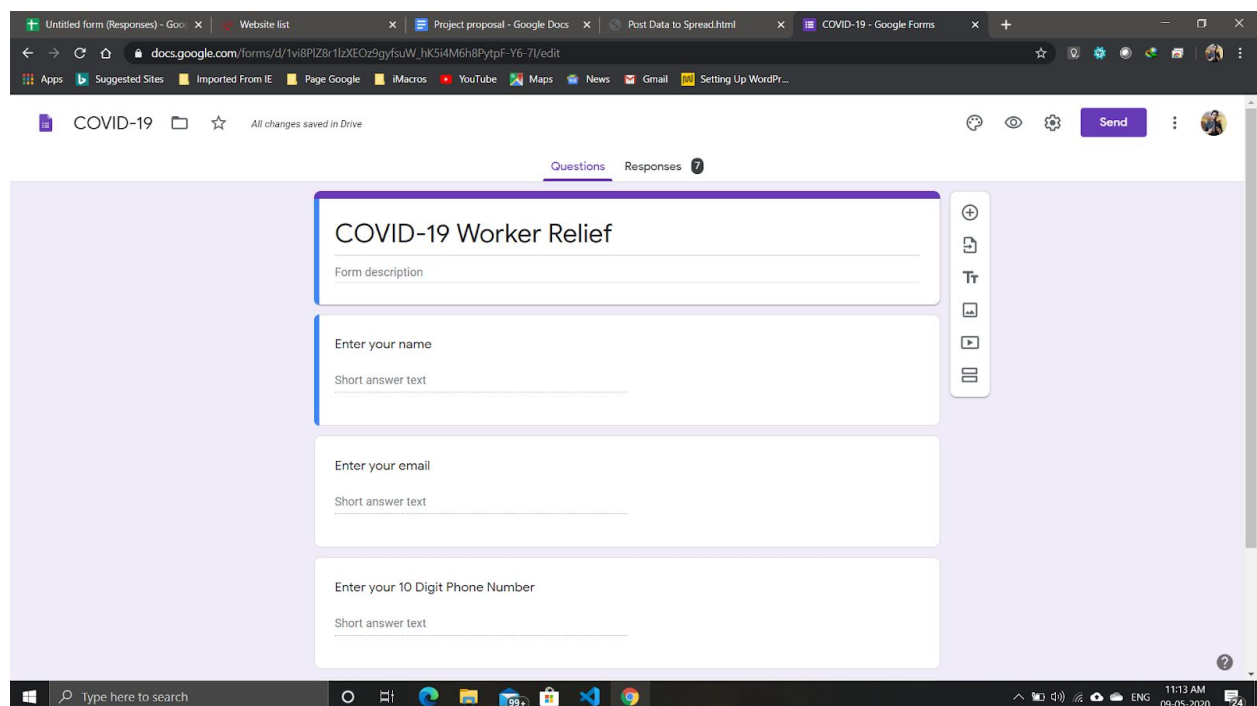
After that such window will appear

Step4: Click on forms to access the google forms

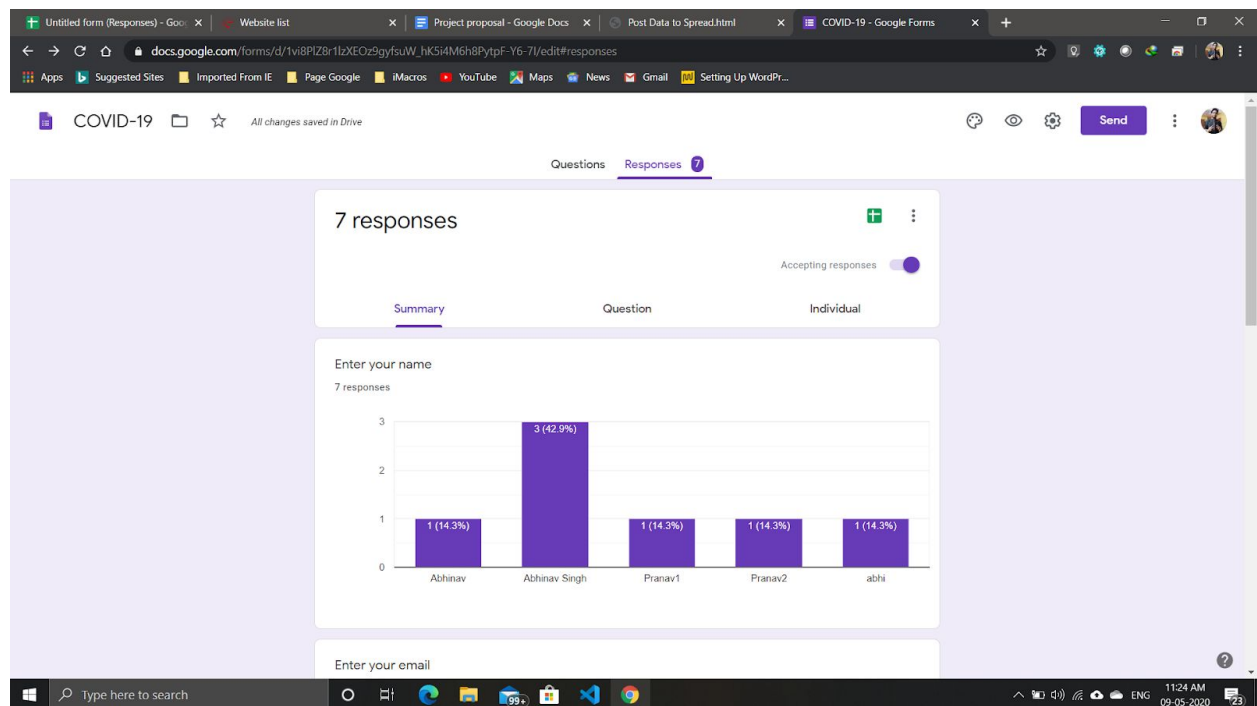


Or you can go directly to the [Click Here](#)

Step5: Create A Google Form as per your need, for example i have created for this project



Step6: Link an Excel sheet to your google form by going to the response section.



Step7: The Excel sheet will open in the next browser, and if it didn't open click on green icon "view responses in sheets"

The screenshot shows a Google Sheet titled 'Untitled form (Responses)' which has automatically imported the data from the Google Form. The data is organized into columns corresponding to the form questions:

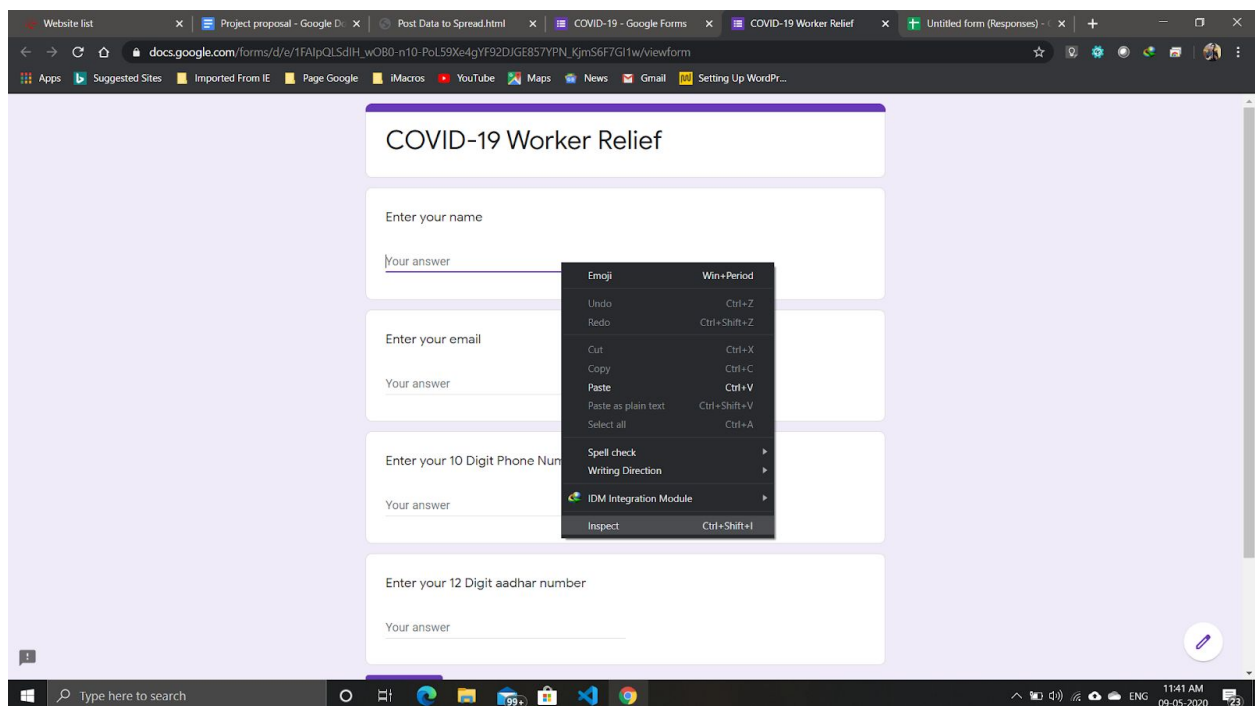
Timestamp	Enter your name	Enter your email	Enter your 10 Digit Phone	Enter your 12 Digit aadhar number
5/9/2020 9:02:32	Abhinav Singh	abhinav41999@gmail.com	9561622449	112233445566
5/9/2020 9:10:53	abhi	a@gmail.com	1122334455	
5/9/2020 9:12:25	Abhinav Singh	a@gmail.com	1122334455	
5/9/2020 9:35:45	Abhinav	a@gmail.com	1122334455	112233445566
5/9/2020 9:46:10	Abhinav Singh	abhinav41999@gmail.com	9561622449	112233445555
5/9/2020 9:49:38	Pranav1	ppc8051@gmail.com	9527344232	123456789123
5/9/2020 9:50:37	Pranav2	ppc8051@gmail.com	9867812345	123456789123

Step8: For Extracting The Entry Details from the form click on the Preview option on the eye icon available on google form.

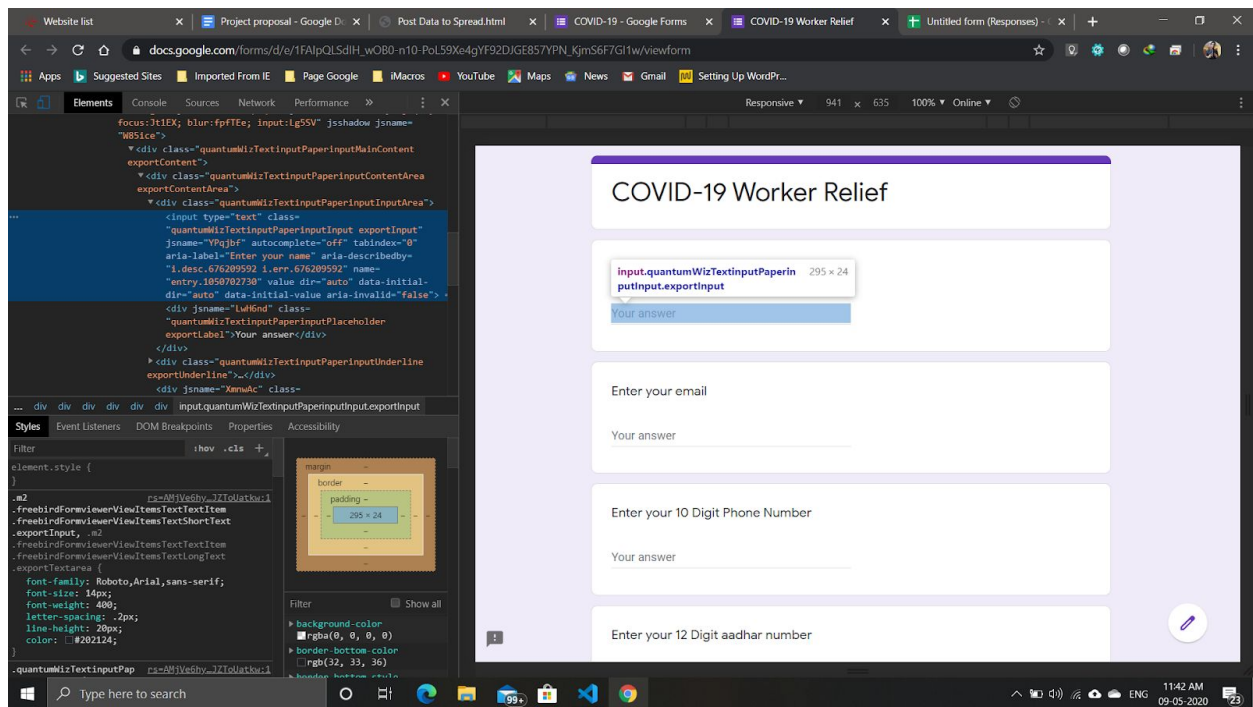
The screenshot shows a web browser window with multiple tabs. The active tab is a Google Form titled "COVID-19 Worker Relief". The form has a purple header bar with the title. Below the title, there are four input fields, each with a label and a "Your answer" placeholder. The labels are: "Enter your name", "Enter your email", "Enter your 10 Digit Phone Number", and "Enter your 12 Digit aadhar number". The browser's address bar shows the URL: "docs.google.com/forms/d/e/1FAIpQLSdIH_wOB0-n10-PoL59Xe4gYF92DJG857YPN_KjmS6F7G11w/viewform". The Windows taskbar is visible at the bottom, showing the search bar and various application icons. The system clock in the bottom right corner indicates 11:36 AM on 09-05-2020.

Step9: Press F12 key or right click on mouse to Inspect.

Hover Your Mouse Over Each Entry Field and Inspect it as



Step10: It Will Open The Inspection Window.

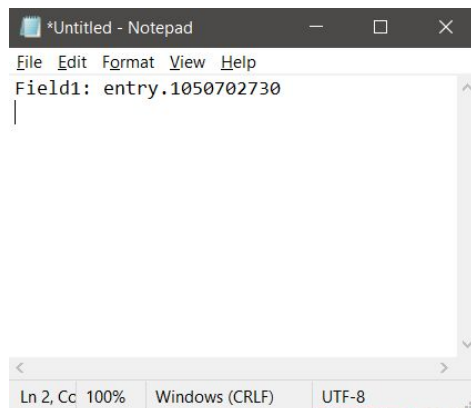


Step11: The Particular section of the text field code will highlight in Blue

```
<input type="text" class="quantumWizTextinputPaperinputInput exportInput"
jsname="YPqjbf" autocomplete="off" tabindex="0" aria-label="Enter your
name" aria-describedby="i.desc.676209592 i.err.676209592"
name="entry.1050702730" value="" dir="auto" data-initial-dir="auto"
data-initial-value="" aria-invalid="false">
```

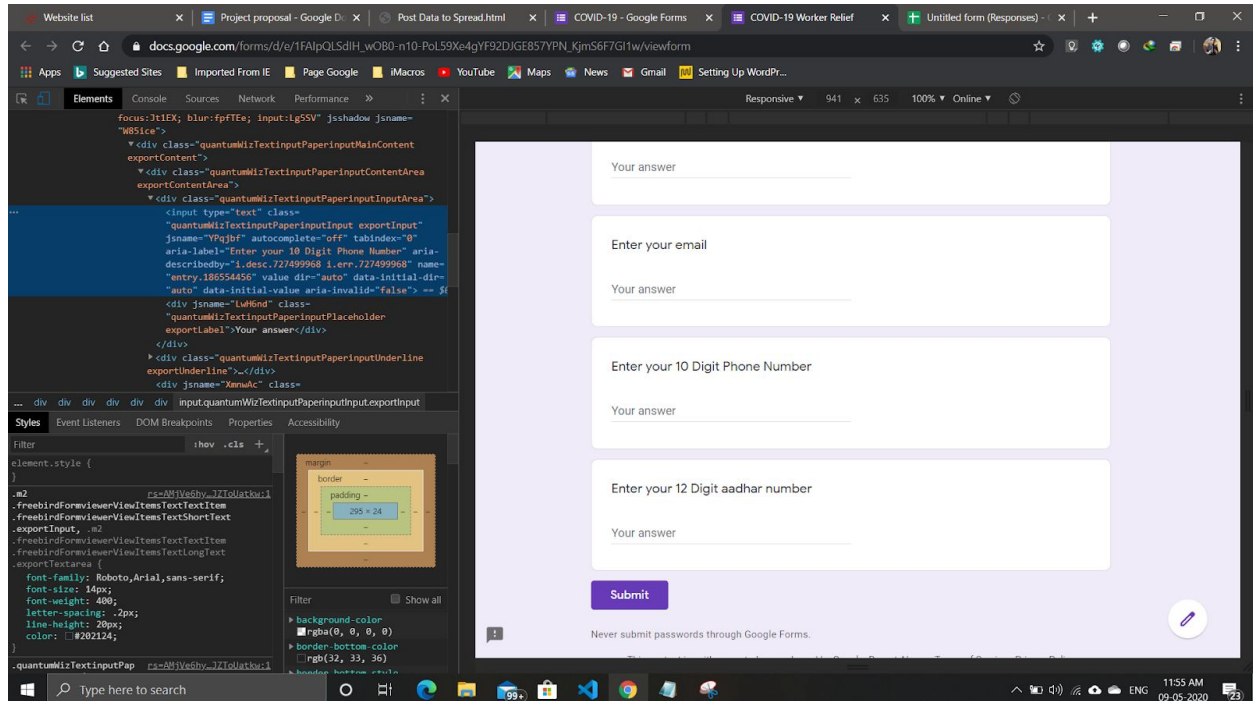
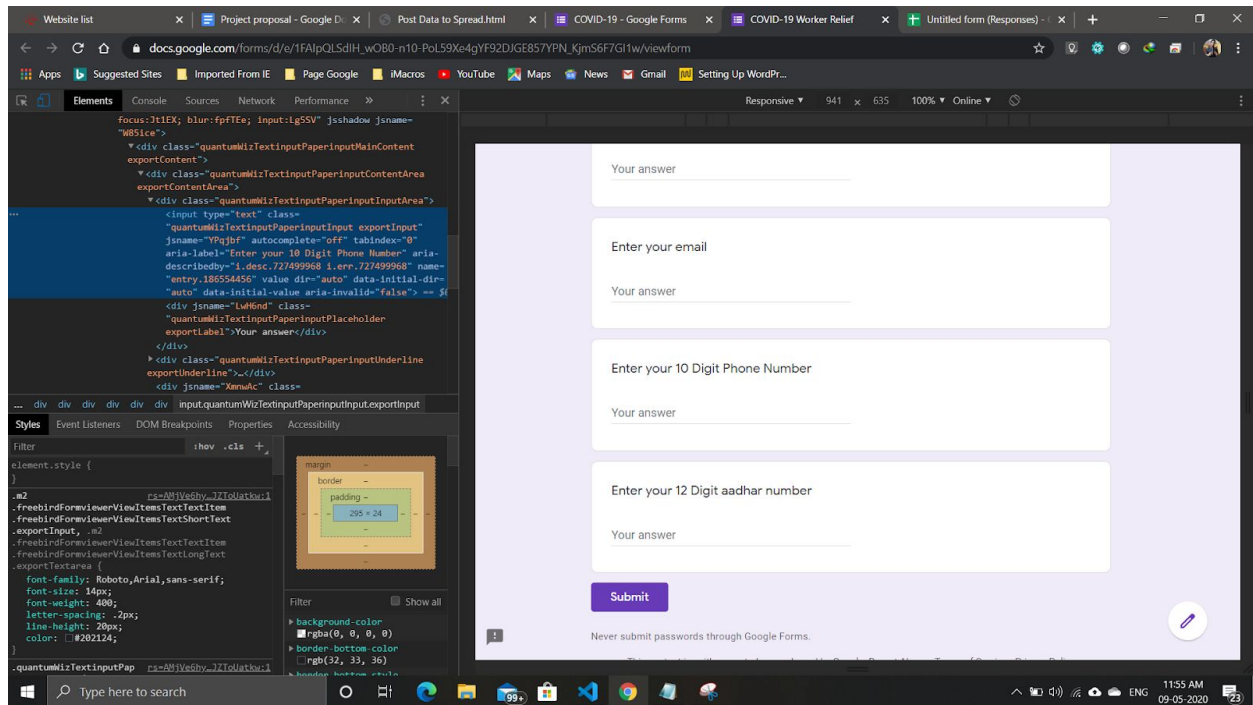
Step12: Extract the `entry.1050702730` from the given code there.

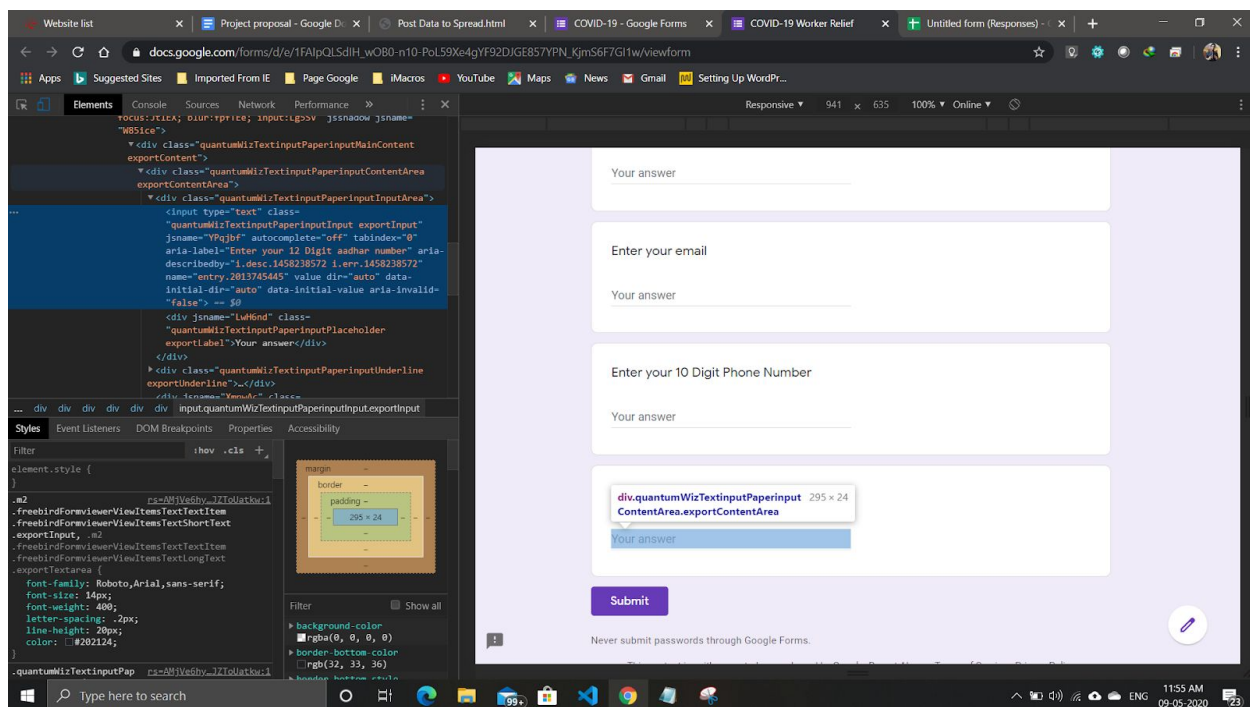
Take Down this entry code one by one in the notepad or somewhere else.



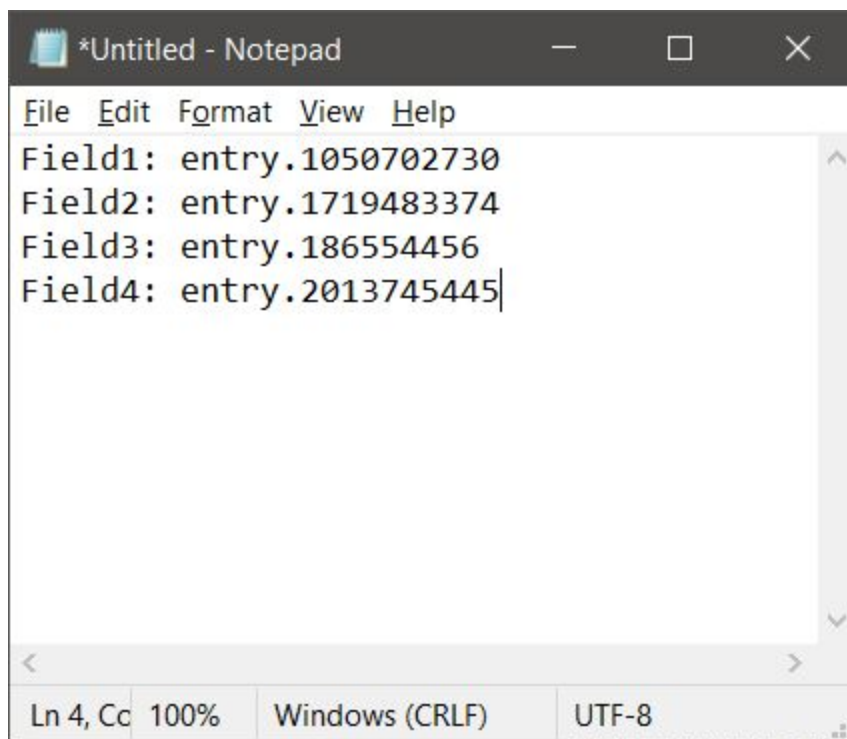
This is the Field One for name associated in the google form for further linking in the HTML page.

Step13: Similarly Extract these code one by one from the form by inspecting it, as stated above.





Step14: Take the entry numbers one by one from the code.



What is HTML???

HTML is the language in which most websites are written.

HTML is used to create pages and make them functional.

"Hypertext" refers to links that connect web pages to one another, either within a single website or between websites. Links are a fundamental aspect of the Web. By uploading content to the Internet and linking it to pages created by other people, you become an active participant in the World Wide Web.

HTML uses "markup" to annotate text, images, and other content for display in a Web browser. HTML markup includes special "elements" such as <head>, <title>, <body>, <header>, <footer>, <article>, <section>, <p>, <div>, , , <aside>, <audio>, <canvas>, <datalist>, <details>, <embed>, <nav>, <output>, <progress>, <video>, , , and many others.

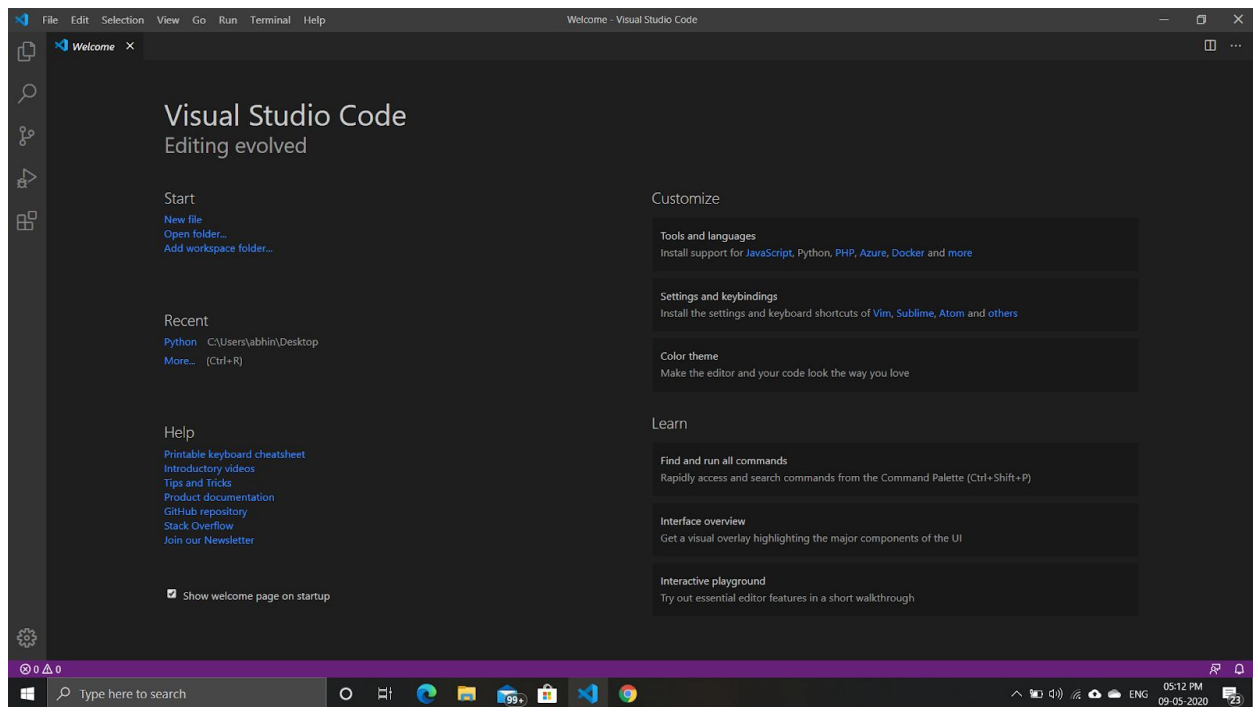
The code used to make them visually appealing is known as CSS and we shall focus on this in a later . For now, we will focus on learning how to build rather than design.

HTML Download

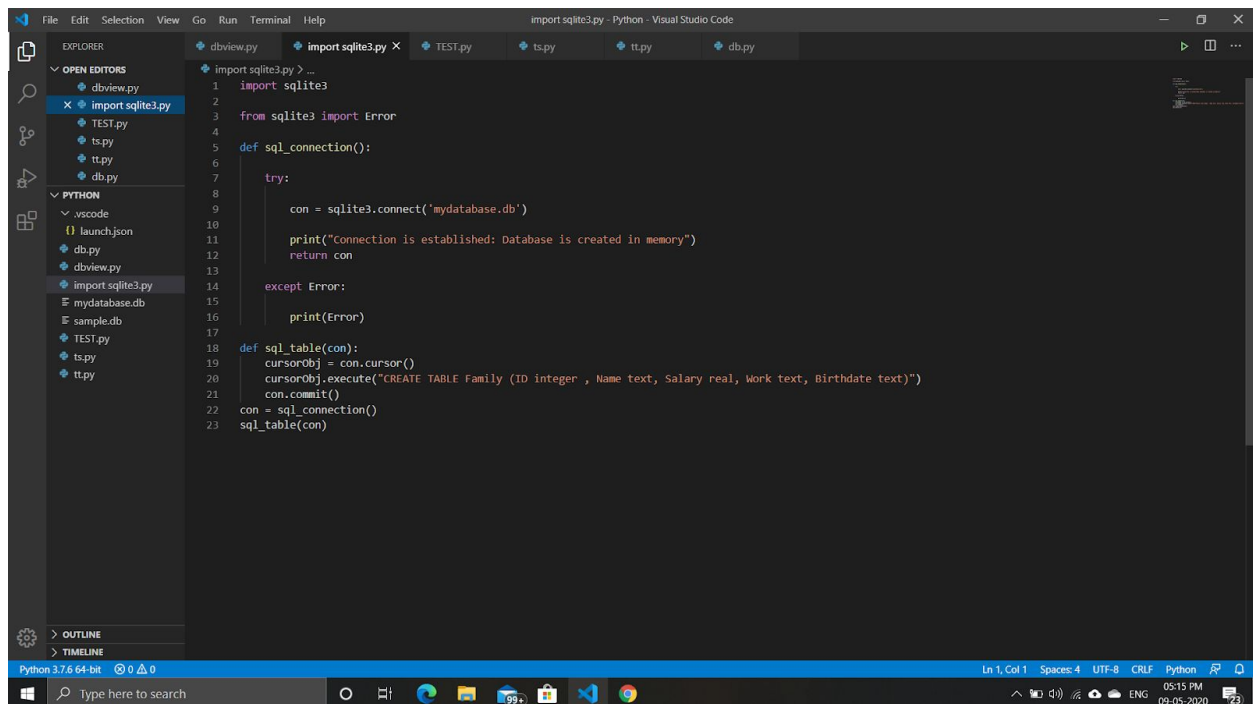
HTML is a markup language used for creating static and dynamic web pages (when combined with php or Django). Html is not a downloadable kind of markup language, it comes built-in to your system, it runs on your system package inbuilt. Most operating system's support it by default as it is embedded into the OS(Operating System) package just like (Example: Windows, Ubuntu, Kali Linux, Android, Debian, etc). It is supported by all the browsers as it is the most basic kind of web application language.

Where To Code

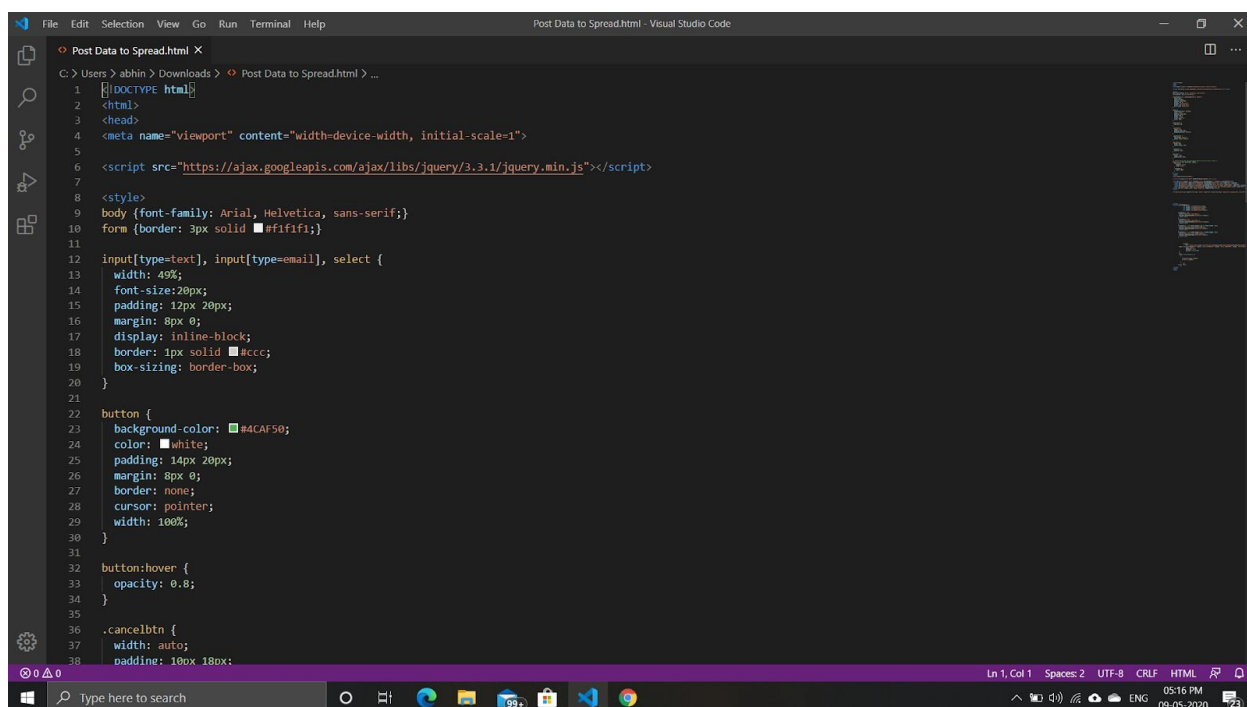
For writing the code we are using **Microsoft Visual Studio Code** which is a versatile kind of Text editor or IDE. This Text Editor is able to work in mostly with any language like (Java, Python, C, C++, HTML, php, C#, Ruby, etc). It provides debugging too by running the programs inside it by downloading small packages of programming languages. The Most important use of this is it provides color-coding due to which the written code looks distinguishable. Even when you start coding it automatically detects and completes the code. This prediction and completion of code helps in the usability and increases interest of the person who is writing the code.



This is how it looks from inside. 😊



This is how it looks with a simple python program.



This is the interface with a HTML program.

At last it is free to use and doesn't require any licensing kind of work...

Building A Webpage

Start building a web page with simple html.

Step1: Add meta details in the <head> tag

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

Step2: Add source script in the <script> tag

```
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></s
cript>
```

Step3: Add style details for the webpage you want to create as per your composed design.

```
<style>
h1 {color:red;}
p {color:blue;}
</style>
```

Step4: Add body style details in the <body> tag.

```
<body style="background:#000;">
```

Step5: Add the headings you want to add there using <h1> tag.

Remember the height of the <h1> will be greater and going to be in decreasing order as the number of headings you will add.

As <h1> is greater and <h6> will be smaller than its predecessors.

```
<h1>This is heading 1</h1>
<h2>This is heading 2</h2>
<h3>This is heading 3</h3>
<h4>This is heading 4</h4>
<h5>This is heading 5</h5>
<h6>This is heading 6</h6>
```

Step6: Add form tag for linking the google form attributes as you have stated there on the Google Form. Just like the entry numbers which you extracted before from the google form to replace them in the codes.

```
<form id="form" target="_self" onsubmit="return postToGoogle();" action=""
autocomplete="off">

<input id="nameField" name="entry.2008660880" placeholder="Enter your
name" type="text" required>

<input id="emailField" name="entry.1460631936" placeholder="Enter your
email" type="email" required>

<input id="mobField" name="entry.904964149" placeholder="Enter your 10
Digit Phone Number" type="text" pattern="\d{10}" required>

<button id="send" type="submit" class="common_btn">Register Now</button>

</form>
```

Step7: Add a <script> tag to add response validation using among the html webpage.

```
<script>

function postToGoogle() {

    var field1 = $("#nameField").val();

    var field2 = $("#emailField").val();
```

```

        var field3 = $("#mobField").val();

        var field4 = $("#aadharField").val();

        if(field1 == ""){

            alert('Please Fill Your Name');

            document.getElementById("nameField").focus();

            return false;

        }

        if(field3 == "" || field3.length > 10 || field3.length < 10){

            alert('Please Fill Your Mobile Number');

            document.getElementById("mobField").focus();

            return false;

        }

```

Step8: Add the Ajax code for linking the google form with the entry credentials, as given below

```

$.ajax({

        url:

        "https://docs.google.com/forms/d/e/1FAIpQLSdIH_wOB0-n10-PoL59Xe4gYF92DJGE857YPN_KjmS6F7GI1w/formResponse?",

        data: {"entry.1050702730": field1, "entry.1719483374": field2, "entry.186554456": field3, "entry.2013745445": field4},

        type: "POST",

        dataType: "xml",

        success: function(d)

        {

        },

        error: function(x, y, z)

        {

```



```
$('#success-msg').show();

$('#form').hide();

}

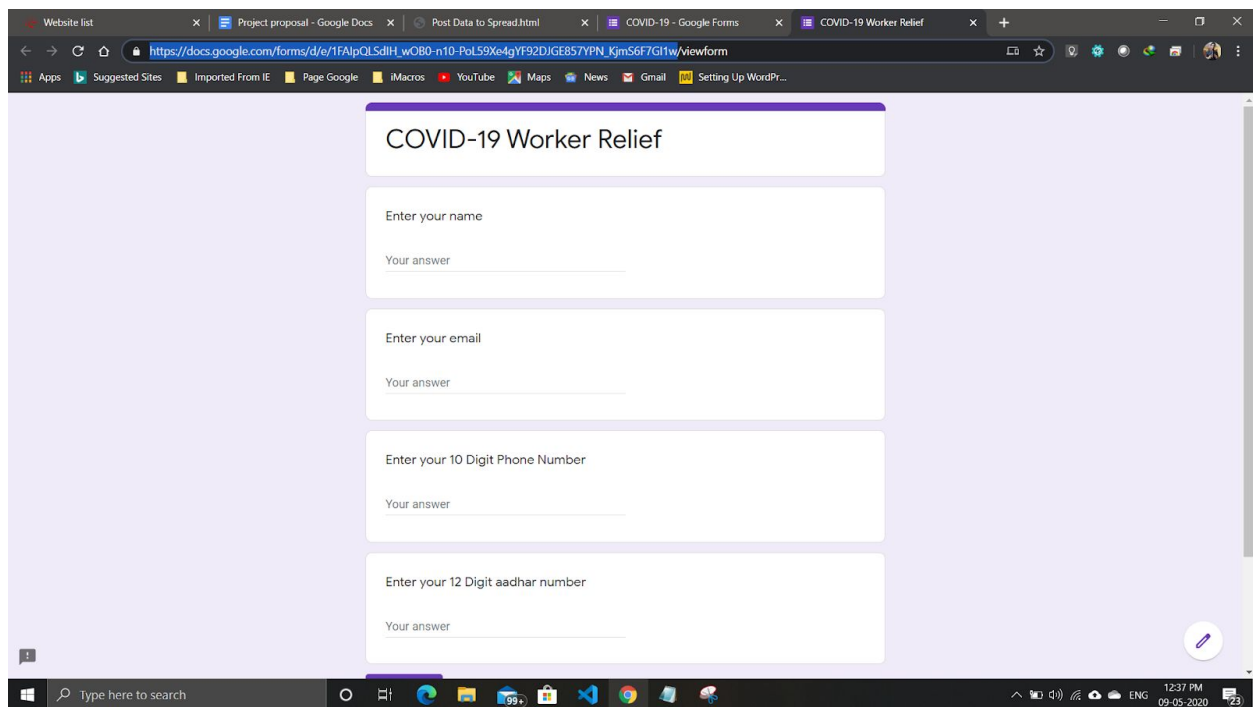
});

return false;

}
```

Remember to add the `/formResponse` in front of the google form link.

For the google form link copy the url stated in the preview of the google form.

A screenshot of a web browser displaying a Google Form titled "COVID-19 Worker Relief". The form is set against a light purple background. It contains five text input fields, each with a label above it: "Enter your name", "Enter your email", "Enter your 10 Digit Phone Number", and "Enter your 12 Digit aadhar number". Each input field has a placeholder text "Your answer". The browser's address bar shows the URL: https://docs.google.com/forms/d/e/1FAIpQL5dIH_wOB0-n10-PoL59Xe4gYf92DJGE857YPN_KjmS6f7G1w/viewform. The Windows taskbar is visible at the bottom, showing the search bar and various application icons. The system clock in the bottom right corner indicates the time is 12:37 PM on 09-05-2020.

Step9: Close the ending tags of html and save the file with .html extension, and open it any browser and test it by giving random credentials as input.

The screenshot shows a web browser window with multiple tabs. The active tab is titled "COVID-19 Worker Relief". The address bar shows the file path: "C:/Users/abhin/Downloads/Post%20Data%20to%20spread.html". The browser's toolbar includes icons for Apps, Suggested Sites, Imported From IE, Page Google, iMacros, YouTube, Maps, News, Gmail, and Setting Up WordPr... The main content area of the browser displays a registration form titled "COVID-19 Workers Relief". The form consists of four input fields arranged in a 2x2 grid: "Enter your name", "Enter your email", "Enter your 10 Digit Phone Number", and "Enter your 12 Digit aadhar number". Below these fields is a green button labeled "Register Now". The Windows taskbar is visible at the bottom, showing the search bar, task view button, and several application icons including Edge, File Explorer, 99+, Mail, Teams, Chrome, and Word. The system clock in the bottom right corner indicates the time is 12:39 PM on 09-05-2020.

Website list | Project proposal - Google Docs | Post Data to Spread.html | COVID-19 - Google Forms | COVID-19 Worker Relief

File | C:/Users/abhin/Downloads/Post%20Data%20to%20spread.html

Apps | Suggested Sites | Imported From IE | Page Google | iMacros | YouTube | Maps | News | Gmail | Setting Up WordPr...

COVID-19 Workers Relief

Enter your name	Enter your email
Enter your 10 Digit Phone Number	Enter your 12 Digit aadhar number
Register Now	

Type here to search | 12:39 PM 09-05-2020

Hosting Your Webpage

First of all let's know what is hosting all about;

Web hosting is a service that allows organizations and individuals to post a website or web page onto the Internet. A web host, or web hosting service provider, is a business that provides the technologies and services needed for the website or webpage to be viewed on the Internet. Websites are hosted, or stored, on special computers called servers. When Internet users want to view your website, all they need to do is type your website address or domain into their browser. Their computer will then connect to your server and your web pages will be delivered to them through the browser.

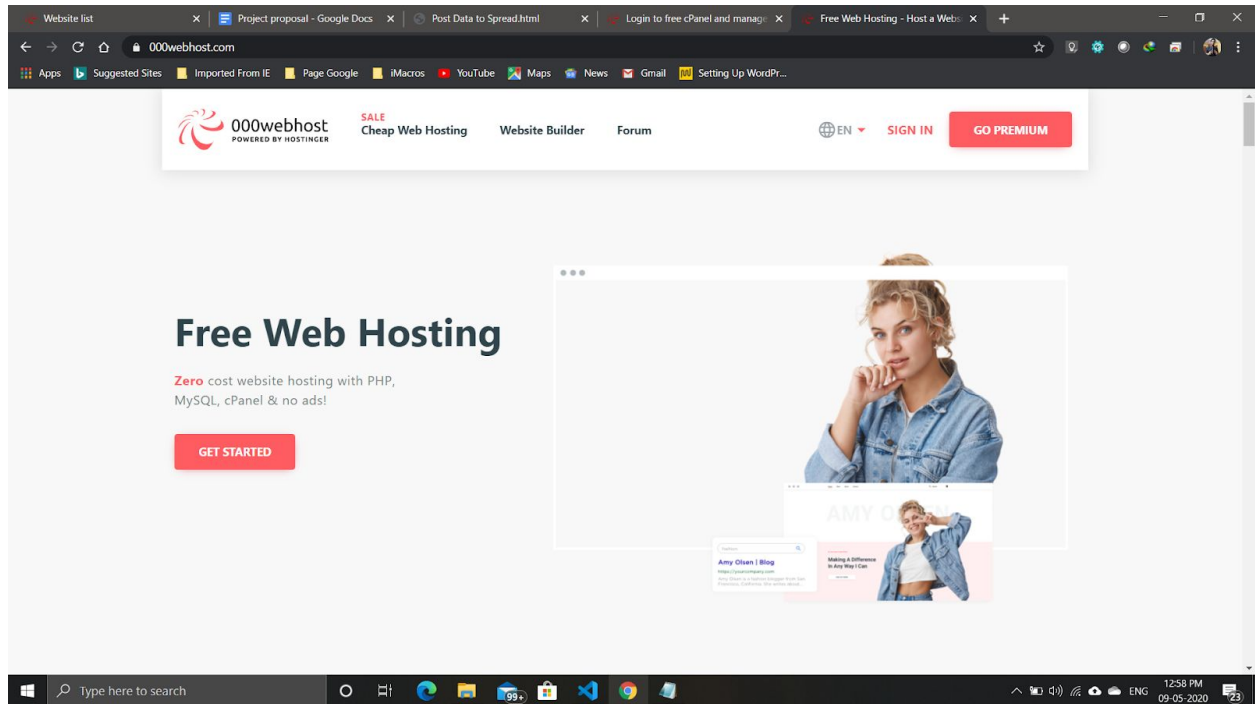


10 Best Web Hosting Providers in India

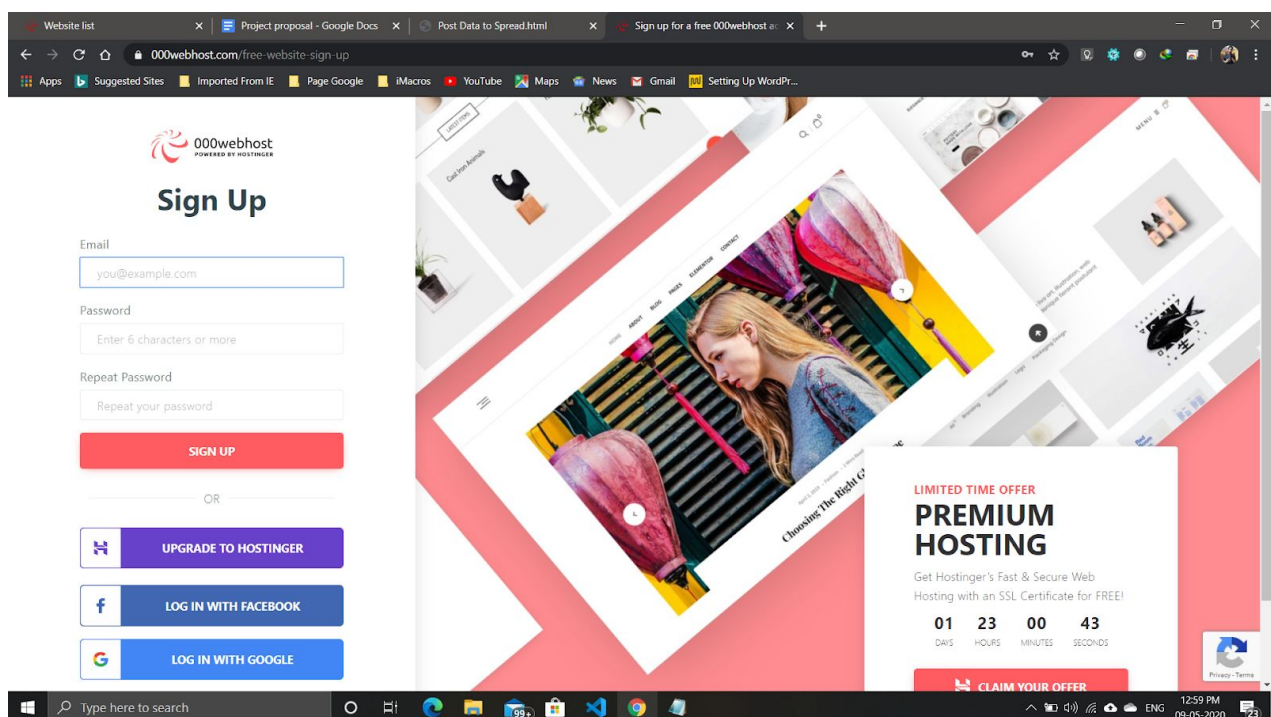
1. Hostinger
2. Bluehost
3. Hostgator
4. HostPapa
5. A2 Hosting
6. Go Daddy
7. Site Ground
8. DreamHost
9. InterServer
10. Wix

As we are using free hosting here login to [000webhost](https://000webhost.com)

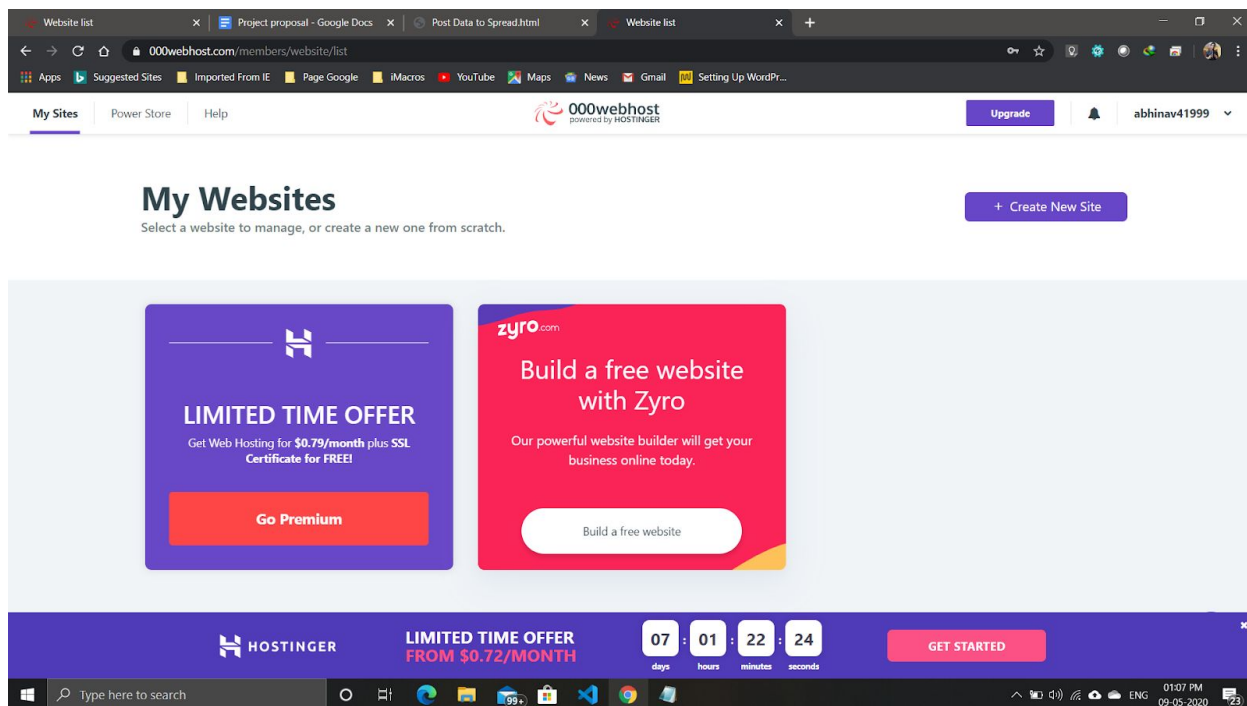
Step1: Visit the url stated above and it will show you the website



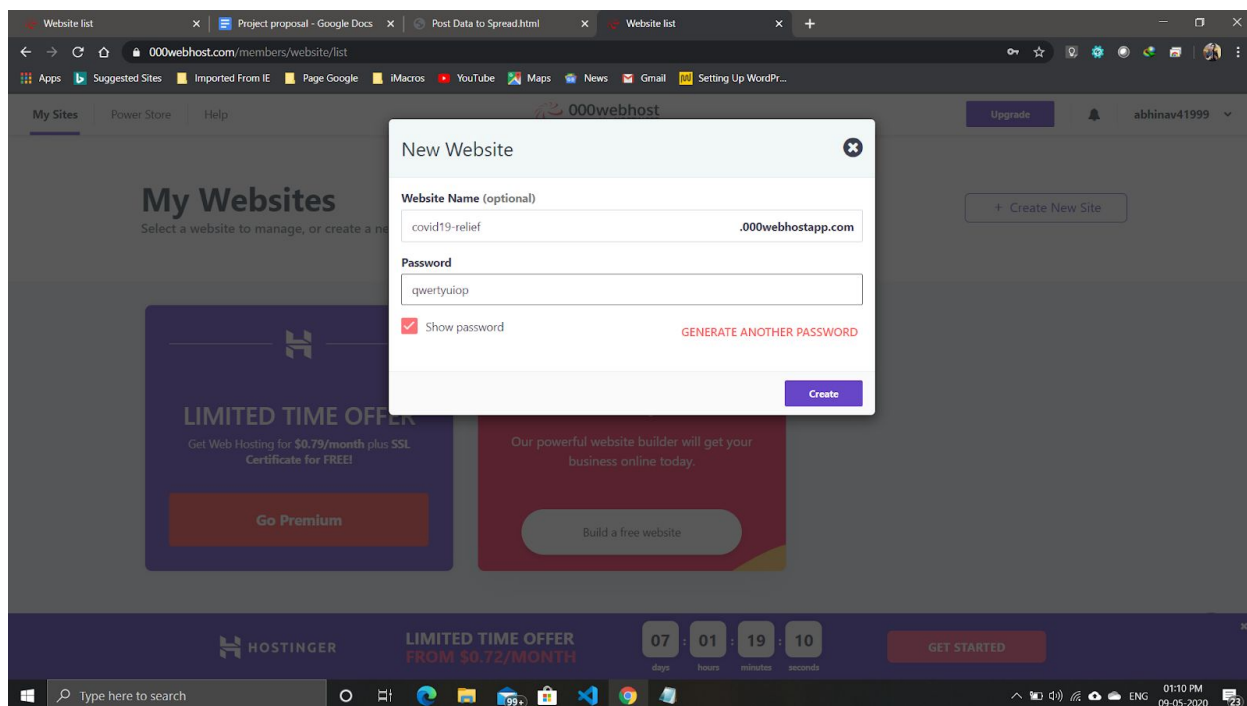
Step2: Sign Up for a Free account there, you can use your Google Login, Facebook or Hostinger.



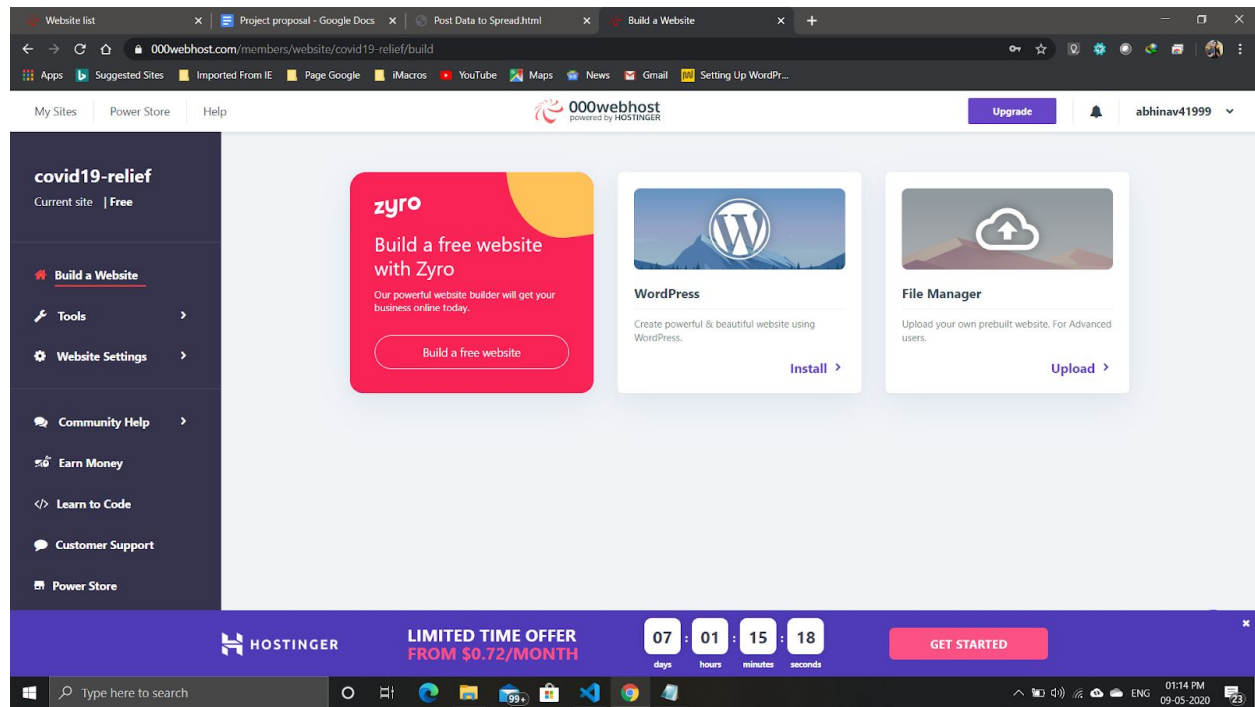
Step3: After Login into your 000webhost account Click on create new website



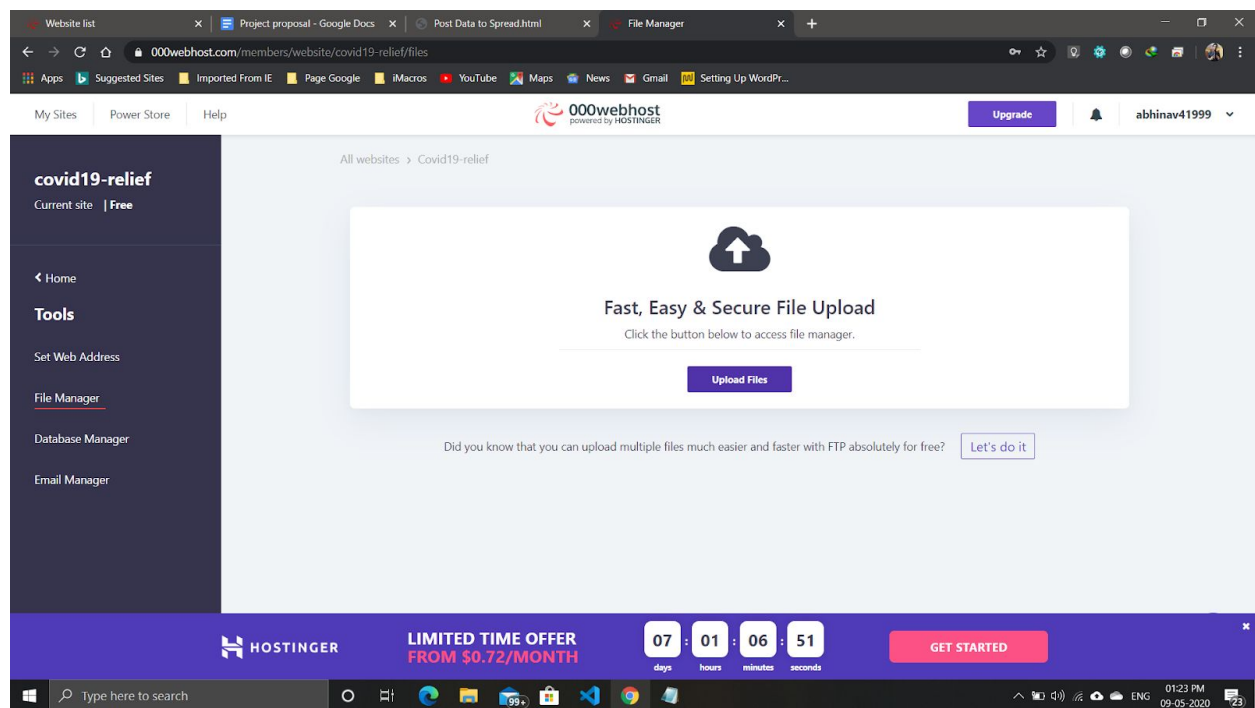
Step4: Give name to your website for the url on which it is going to be hosted and give password to your website as given. Now click on create to create your web site.



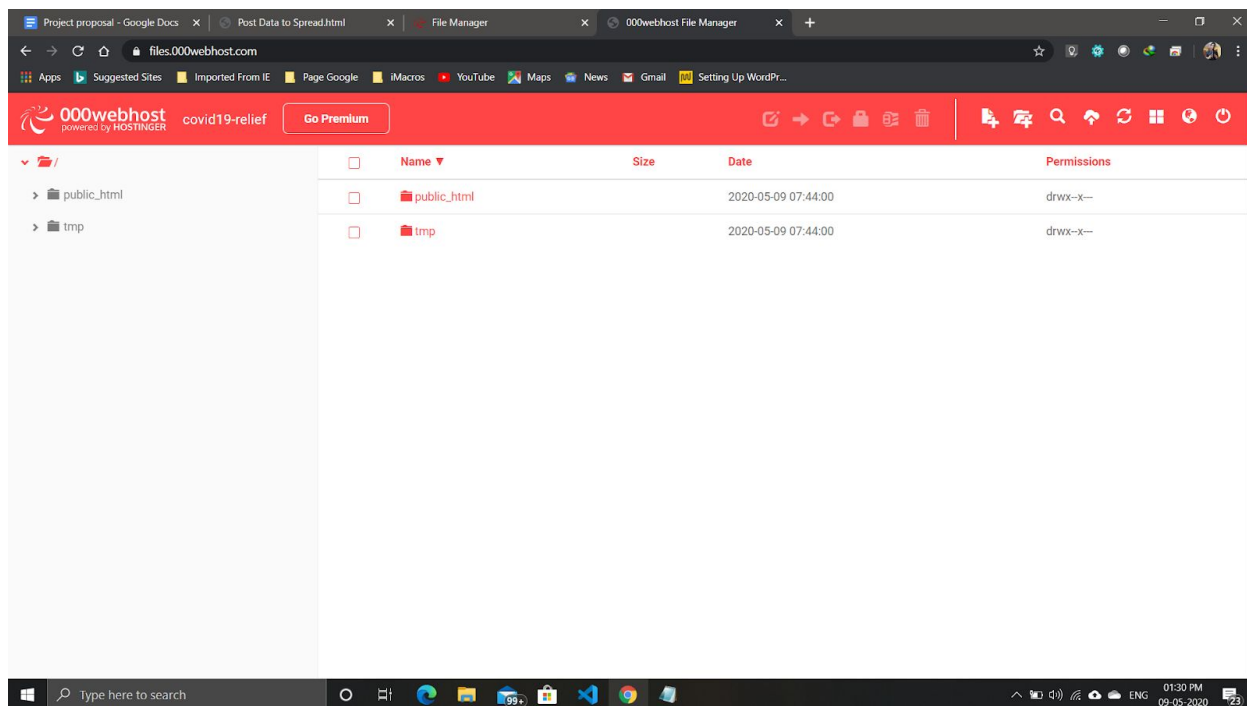
Step5: Your website settings will be visible to your dashboard as you will create it, there it will show you multiple options just like wordpress attachment or zyro website builder.



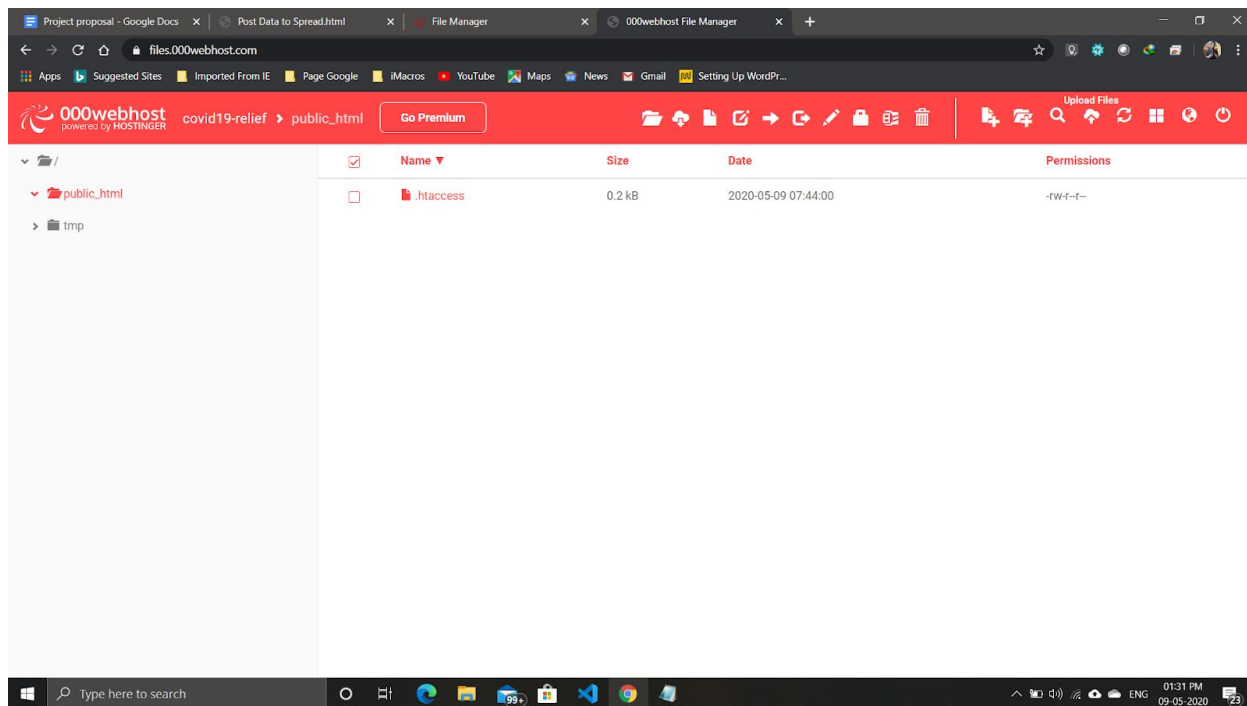
Step6: Click on the tools menu and open The File Manager.



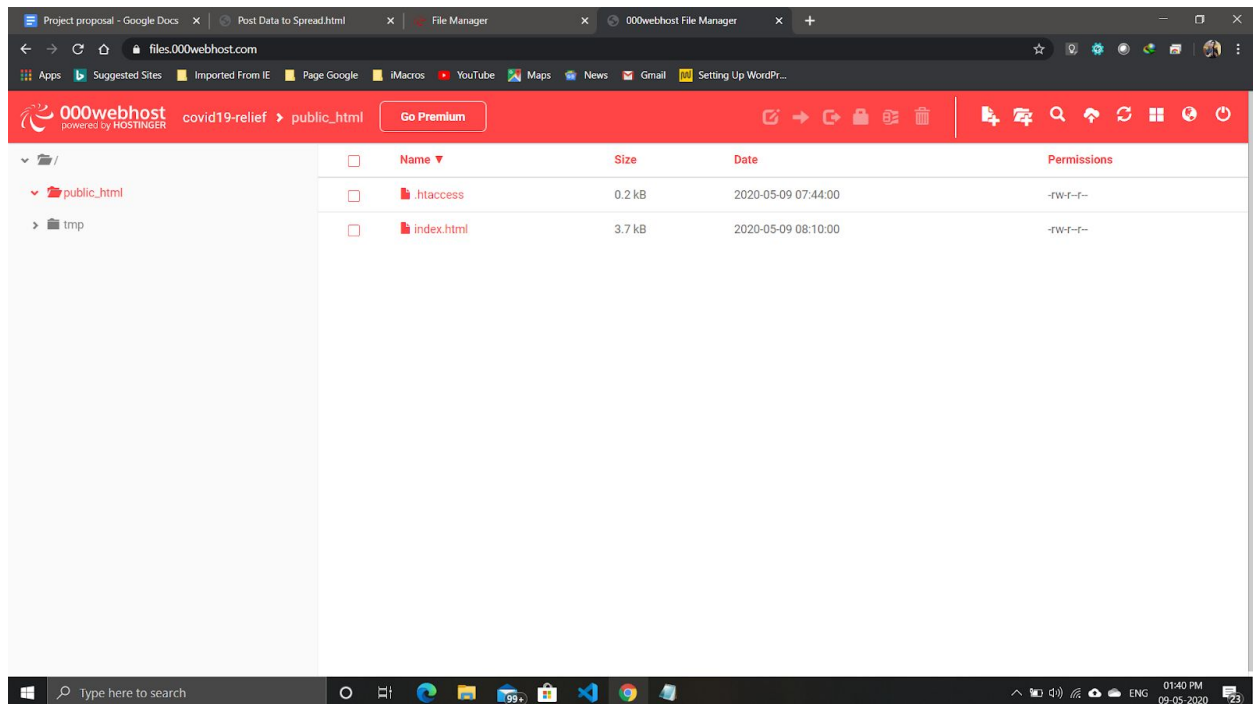
Step7: Click on the upload files option and it will redirect you too the File Manager tab.



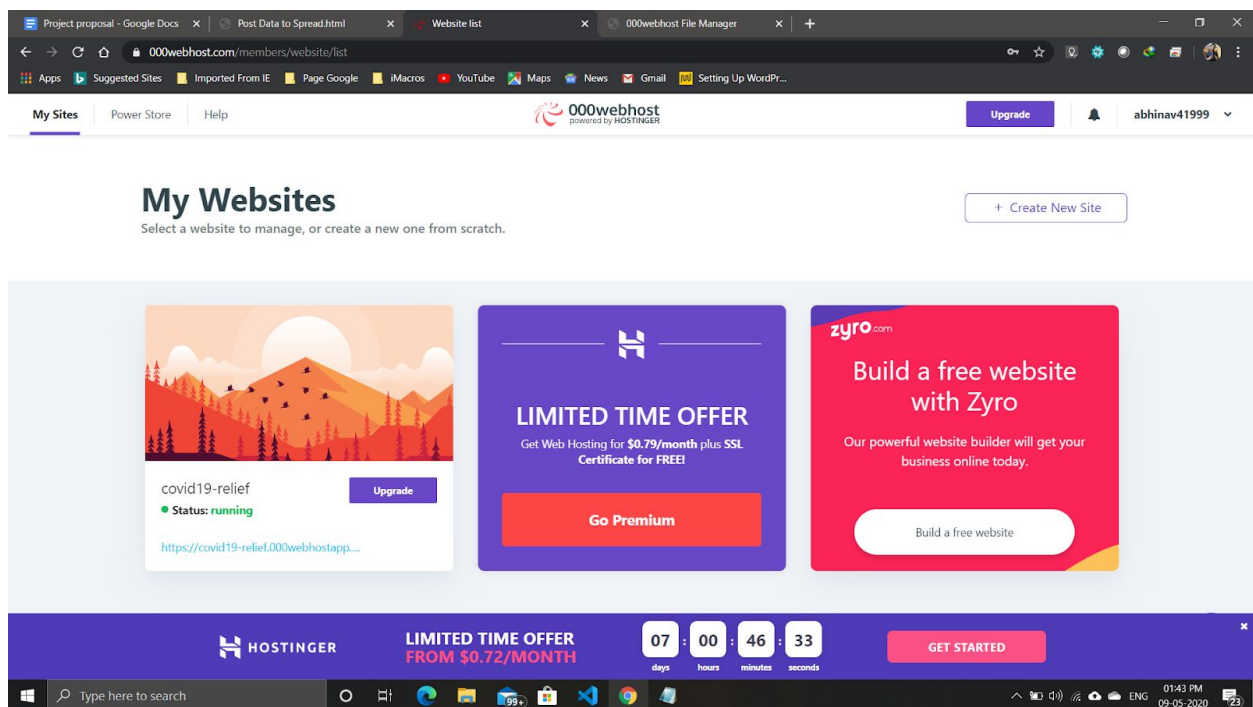
Step8: Open the folder public_html, click on upload option there, and upload the HTML file you created



Step9: Rename the uploaded HTML file as index.html.



Step10: Now your website is online at the weblink you created while creating the website. You can see the website running status in the My sites section.



Step11: Your Website is successfully hosted on the 000webhost.

The screenshot shows a web browser window with the URL <https://covid19-relief.000webhostapp.com>. The page has a black header with the title "COVID-19 Workers Relief" in white. Below the header is a registration form with four input fields: "Enter your name", "Enter your email", "Enter your 10 Digit Phone Number", and "Enter your 12 Digit aadhaar number". A green "Register Now" button is at the bottom of the form. The browser's address bar shows the URL, and the Windows taskbar at the bottom displays the time as 01:44 PM on 09-05-2020.

COVID-19 Workers Relief	
Enter your name	Enter your email
Enter your 10 Digit Phone Number	Enter your 12 Digit aadhaar number
Register Now	

Step12: Try to enter some credentials and submit them then check them in the google Sheets.

This screenshot shows the same registration form as in Step 11, but with sample data entered into the fields. The "name" field contains "Trial", the "email" field contains "Trail@gmail.com", the "phone number" field contains "1122334455", and the "aadhaar number" field contains "112233445566". The "Register Now" button remains green. The browser's address bar shows the full file path: <C:/Users/abhin/Downloads/Post%20Data%20to%20Spread.html>. The Windows taskbar at the bottom shows the time as 01:49 PM on 09-05-2020.

COVID-19 Workers Relief	
Trial	Trail@gmail.com
1122334455	112233445566
Register Now	

Timestamp	Enter your name	Enter your email	Enter your 10 Digit Phone	Enter your 12 Digit aadhar number
5/9/2020 9 02:32	Abhinav Singh	abhinav41999@gmail.com	9561622449	112233445566
5/9/2020 9 10:53	abhi	a@gmail.com	1122334455	
5/9/2020 9 12:25	Abhinav Singh	a@gmail.com	1122334455	
5/9/2020 9 35:45	Abhinav	a@gmail.com	1122334455	112233445566
5/9/2020 9 46:10	Abhinav Singh	abhinav41999@gmail.com	9561622449	112233445565
5/9/2020 9 49:38	Pranav1	pcc8051@gmail.com	9527344232	123456789123
5/9/2020 9 50:37	Pranav2	pcc8051@gmail.com	9867812345	123456789123
5/9/2020 13:50:06	Trial	Trial@gmail.com	1122334455	112233445566

Step13: Try To enter wrong credentials in the Text area of your webpage, this will show error to you, due to the response validation code logic you created while designing the page.

COVID-19 Workers Relief

Trial	Trial@gmail.com
112233445566	112233445566

Please match the requested format.

Register Now

Project proposal - Google D... x Post Data to Spread.html x Website list x https://covid19-relief.000we... x COVID-19 - Google Forms x Untitled form (Responses) - x +

File | C:/Users/abhin/Downloads/Post%20Data%20to%20Spread.html

Apps Suggested Sites Imported From IE Page Google iMacros YouTube Maps News Gmail Setting Up WordPr...

COVID-19 Workers Relief

Trial	Trial
1122334455	11223344556

Please include an '@' in the email address. 'Trial' is missing an '@'.

Register Now

Type here to search

01:54 PM 09-05-2020

Project proposal - Google D... x Post Data to Spread.html x Website list x https://covid19-relief.000we... x COVID-19 - Google Forms x Untitled form (Responses) - x +

File | C:/Users/abhin/Downloads/Post%20Data%20to%20Spread.html

Apps Suggested Sites Imported From IE Page Google iMacros

This page says
Please Fill Your Aadhar Number

OK

Trial	Trial@gmail.com
1122334455	11223344556677

Register Now

Type here to search

01:55 PM 09-05-2020

Conclusion

Hence our website is online on the link given here [click here](#).

Link for the Html page we created is [HTML Page](#)

Link for Downloading the Microsoft Visual Studio code is [Official Website](#)

A Tip To Excellence

HTML:

1. Hacking
2. Testing
3. Coding
4. Web Designing
5. Machine Learning

5 Problems 1 Solution