

**ASSIGNMENT 2: Understanding PHP and JSON****(In groups of 3-5 students containing B. Tech. 2<sup>nd</sup> years)****Dr. Varun Dutt****Due: Before 12:00 NOON on September 2nd, 2019****Readings:**

- Class notes and slides from week 2
- Activity 2 on Moodle

**Objectives:**

- Understand how PHP works
- Understand how JSON works.

**Submission:**

Each group will make one single submission.

Please submit as a zipped file, the following documents:

- HTML file and CSS stylesheet with proper filenames
- A PHP file with the code
- Any supplementary material that have been provided.

**Assignment:**

Q1. Create a contact form similar to the one attached below using HTML, CSS and PHP

First Name *	<input type="text" value="Abhinav"/>
Last Name *	<input type="text" value="Choudhury"/>
Email Address *	<input type="text" value="abhinavchoudhury.0490@gmail.com"/>
Telephone Number	<input type="text" value="8095698698"/>
Comments *	<div><div>Hi,</div><div>My group number is</div><div>This is a solution to</div><div>the 2nd assignment</div><div>question.</div></div>
<input type="button" value="Submit"/>	

Please enter your details in the text boxes.

The following things should be present in the webpage:

1. The webpage should be structured like a contact form containing your First name, Last name, email address and Phone number and a comment.

The comment box should contain the following text:

Comments \*

Hi

My group number is |  
This is a solution to the  
2nd assignment question.

Submit

2. The form should send the above mail from your email address mail to [abhinavchoudhury.04@gmail.com](mailto:abhinavchoudhury.04@gmail.com).

Sample mail output:



abhinavchoudhury.0490@gmail.com

to me ▾

Form details below.

First Name: Abhinav

Last Name: Choudhury

Email: [abhinavchoudhury.0490@gmail.com](mailto:abhinavchoudhury.0490@gmail.com)

...

Telephone: 8095698698

Comments: Hi,

My group number is

This is a solution to the 2nd assignment question.

**Hint: Setting up your mail server in XAMPP**

In C:\xampp\php\php.ini find `extension=php_openssl.dll` and remove the semicolon from the beginning of that line to make SSL working for gmail for localhost.

In php.ini file find `[mail function]` and change

```
[mail function]
; For Win32 only.
; http://php.net/smtp
SMTP=smtp.gmail.com
smtp_port=587
sendmail_from = <your address from where you want to send the mail>
sendmail_path = "\"C:\xampp\sendmail\sendmail.exe\" -t"
```

Now Open C:\xampp\sendmail\sendmail.ini. Replace all the existing code in sendmail.ini with following code

```
; smtp port (normally 25)
smtp_server=smtp.gmail.com
smtp_port=587
error_logfile=error.log
debug_logfile=debug.log
auth_username=your email address
auth_password=your email password
force_sender=your email address
```

For more information, please see the following link: [How to configure XAMPP for mail](#)

#### Q6. [Optional Bonus].

Download the JSON file wizard.json from Moodle and decode the data and print it in the following format using PHP.

---

Harry Potter's wand is holly, 11 inches, with a phoenix feather core.  
Hermione Granger's wand is vine, 10 and 3/4 inches, with a dragon heartstring core.  
Ronald Weasley's wand is Ash, 12 inches, with a unicorn tail hair core.  
Draco Malfoy's wand is Hawthorn, 10 inches, with a unicorn hair core.  
Neville Longbottom's wand is Cherry, 13 inches, with a unicorn hair core.  
Bellatrix Lestrange's wand is Walnut, 12 and 3/4 inches, with a dragon heartstring core.