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Practical on HTML, CSS, JavaScript, PHP, MySQL

Ajax.

1) File one

```
<html>
```

```
<head>
```

```
<script>
```

```
function ShowUser(str) {
```

```
    if (str == "") {
```

```
        document.getElementById("txtHint").innerHTML = " ";
```

```
        return;
```

```
    } else {
```

```
        var xmlhttp = new
```

```
XMLHttpRequest();
```

```
        xmlhttp.onreadystatechange = function() {
```

```
            if (this.readyState == 4 && this.status == 200) {
```

```
                document.getElementById("txtHint").innerHTML = this
```

```
.responseText;
```

```
        }
```

```
        xmlhttp.open("GET", "getuser.php?q=" + str, true);
```

```
        xmlhttp.send();
```

```
</script>
```

```
</head>
```

```
<body>
```

```
<Form>
```

```
<Select name="user">
```

```
onchange = "ShowUser(this.value)">
```

```
<option value = ""> select a person:</option>
```

```

<option value="1"> Peter Griffin </option>
</select>
</form>
</body>
</html>

```

file - 2

```

<html>
<head>
<style>
table {
    width: 100%;
    border-collapse: collapse;
}
table, td, th {
    border: 1px solid black;
    padding: 5px;
}
</style>
</head>
<body>
<?php
$q = intval($_GET['q']);
$con = mysqli_connect('localhost', 'peter', 'abc123');
mysqli_select_db($con, "ajax-demo");
$sql = "SELECT * FROM user WHERE id = '$q'";
echo "<table> <tr>
<th> first name </th> <th> last name </th> <th> age </th>
<th> name + town </th> <th> job </th> </tr> ";
</body>
</html>

```

Install wordpress and create blogs

1. Signup for web Hosting.
2. Pick a domain name for your blog.
3. Install free wordpress blog software.
4. login and write your first blog .post.
5. change your blog design by picking a theme.
6. Install a couple of essential Plugins.
7. Add Google Analytics.
8. Don't forget marketing.

Installation of wordpress

- Download wordpress from official site.
- Upload wordpress to Hosting account via FTP or sFTP.
- create my SQL database and user
- log into cPanel.
- In the database section, click on "My SQL"
- Create password and user name.
- configure the "wp-config.php" file:-
- The wp-config.php file contain database information and tells the wordpress application which database to use for information storing and retrieving.
- Run the installation
- open Browser to run the installation script.
- computer the installation
- fill in the required details such as site-name, user name, password, email and click Install now.

Manage blogs features e.g Images, Text + Around Images, comments, Post formats, linking, Pages, Categories, Smiles, feeds, Gravatars, Password protection.

Bloggers are writers they write text in the form of Post, Blogging is a written text based medium. It is a usual medium But text is only a post of it.

managing image

- the image which appears at the top of the page along with the Headline.
- Images which have grab reader attention.
- They are faster way to explain complex concept with diagram.
- theme grabs user attention.

Managing comment

manage a blog comments.

Sign in to your blog.

choose the blog to update.

Go to blog setting > comment

change setting as you like.

text around image

- They are the image which have a particular text in them that are also called quote image.

Format a blog post

- Use a short sentence and paragraphs.
- Use bulleted or numbered lists.
- Use relevant graphics and image.
- Give caption to photos.

Linking

Internal linking is a link from one page to another page on the same position. External linking refers to the hyperlinks that point at some other domain.

Blog categories A blog category is a topic you address on your blog.

→ A category will should be descriptive.

Feed/RSS Feeds RSS is a type of web feed that allow user and application to receive regular update from a website or blog of their choice.

Gravatar

~~connect your wordpress to gravatar and connect it. complete sign up and login to your website admin. CMO to setting > discussion and scroll down to activator.~~

Password protection

CMO to setting and click on secondary blog. Enter your desired Password.

Practice Various designing features : colour Scheme, Headers, CSS Horizontal Menu, Dynamic Menu, Highlighting, Navigation links, print.

Customizing colors

- click the customize button.
- choose colour
- click and drag colors in the action palette.
- click on individual colour to change it.

Using colour palette

- We can rearrange colour in the action palette and design different colour values.
- You can also receive suggestion for palette as well as colour which you have locked.
- To change a order(color) for any element go to settings > appearance > customize > theme setting > and create the element you want to change.
- To use a pattern in the background, choose a pattern you like.

Header you can customize your webpage header by simply going to appearance > customize section located in left menu bar of wordpress admin panel.

CSS Horizontal Menu

- Go to admin > appearance > menu and click screen.
- click .css class option in the show advanced open

menu properties" Panel.

- Add your CSS classes to it.

Dynamic menu

- Go to appearance > customize > menu.
- click on add a menu and write a name.
- click create menu button and add item to menu and click save and publish.

Highlighting

- Highlighting can be done by Just and down.

Navigation Links

- Go to appearance > menu

Points = Creating a print style CSS file

- the first step is to create a print CSS file which we will put our print CSS code in.

Page Rule

This rule can be used to define or change dimensional, orientation, margin, page breaks etc. of a printed sheet.

The standard backward colour per printed page is white and text colour is black.

Read More, Formatting Date and Time, finding CSS styles, creating individual pages, uploading files, Using wordpress Themes, Templates, Template Tags, Template Hierarchy, Validating a Website, Know your source, word press site with wordpress.

Wordpress uses the query string to decide which template or set of templates should be used to display the page. The query string is information that is contained in the link to each part of your website.

1. Matches every query string to a query type to decide which page is being requested (for example, a search page, a category page, etc);
2. Selects the template in the order determined by the template hierarchy.
3. Looks for template files with specific names in the current theme's directory and uses the first matching template file as specified by the hierarchy.

Formatting Date and Time

In the template file, find the wordpress tag functions the_date() and the_time(). These functions display the date and time format set in your word press dashboard.

Finding CSS styles log in to your WordPress backend and click Appearance > customize to open the theme customization screen. With this option on this left to customize elements like the colors, menus, or other widgets.

Creating individual page

click on pages in your Dashboard and then click Add new page.

Uploading file

Go to my site(s) → Media. choose a file (or multiple files) from your computer to upload.

Wordpress maintenance

1. Change all your WordPress passwords.
2. Create a complete Backup of your website.
3. Check and update All WordPress files.
4. Check and delete spam comments.
5. Test All your WordPress forms.
6. Optimize your WordPress Database.
7. Run performance Tests.
8. Find and fix 404 Errors.
9. Perform a Thorough content and SEO Audit.
10. Find and fix Broken links
11. Optimize Images on your WordPress site.
12. Review WordPress security logs.
13. Troubleshoot Maintenance Tasks.

Integrate PHP & MySQL with wordpress

wordpress uses a PHP/MySQL platform which allow you to create your own site and publish your own content dynamically without knowing how to program these page.

- Download and upload the Wordpress file to your web Hosting space.
- Download and install PHP client.
- Start the FTP client and connect to your web server.
- Upload the wordpress files that you download to the web server.
- Web hosts commonly use one of the following-
 - cPanel
 - PHP my admin
 - Plesk

→ Run the blog to install script

- open your Internet browser.
- click ceate a configuration file.
- Add the database and user information to the configuration.
- success.

Install Moodle & Various plugins

* Install moodle

- Plan system capacity.
- Install Database server.
- Install web server.
- Install PHP.
- Download moodle and copy files into place.
- Create moodle data directory and secure Database.
- Begin moodle install
- Setup Backup
- checking server security and performance.

* Various Plugin for moodle

- log in to moodle as administrator.
- On the left select site administration
- Select Plugin, then install Plugin.
- Select install Plugin from the moodle Plugins directory.
- log in to your moodle.org account.
- Select a Plugin.
- Select install now.
- In the information for your site name version and URL is correct, Select install now.
- Select continue to confirm downloading the moodle Plugin.
- Continue to complete the moodle Plugin installation.

Design site appearance, Front page, front page settings, My Moodle, User profiles, Navigation, Course Themes, Theme setting, Header and footer, Language Settings, Using Web services, Publishing a course, Blog RSS feeds.

* Front Page setting

- The site's front page is similar to a course page the front page setting can be found in 'front page setting' in the site administration.

* Front page

The centre of the front page can be displayed any combination of the following:

- New items
- A list of courses
- A list of enrolled courses etc.
- It can be viewed in dashboard.

Theme setting -

- Administrator can change theme settings in administrator > site > administrator > Appearance > theme > theme settings.

Course setting

A teacher, or other user with the update course settings capability, can change course setting from course navigation > settings.

User profile

Every user has a profile page which may be reached from the user menu top right and then clicking profile.

- The page contains links to further page allowing

the user to edit their profile information.

Reader and footer

automising the Header. The administrator can add link, metatags, CSS or Java script to the Header section of your page via site setting.

* RSS feed - (Really Simple Syndication)

RSS feed in moodle enable people to stay up to date with recent post.

* language setting If the administrator has enabled other language on the site, you can set your preferred one from the user menu (top right) > preferences preferred language.



Using Web service

- Access Administrator > site administrator > advanced features.
- Check 'Enable Web service' then click save change.

* Publishing Access Blog

An index of documentation page about course featured.

Create a moodle site and Database scheme

If you are using a webhost, they will probably have control panel web interface for you to create your database.

The cpanel system is one of the most popular if there to create a database using cpanel.

- click on the mysql database icon.
- Type moodle in the New Database field and click Create Database.
- Type a username and password (not one you use elsewhere) in the respective fields and click Create user.
- Now use the Add user to database button and give this new user account All Right to the New Database.

Manage Moodle site, Managing authentication, Manual accounts, No login, Email-based self-registration, Account.

A user with the help/role of Administrator is typically in charge of a moodle site once it has been installed, although some task may be delegated to others by assigning them a role to a manager.

Authentication Plugins -

Moodle Provide a number of way of managing Authentication called Authentication Plugins such as :-

- manual account - account created manually by an administrator.
- No login - suspended particular User Account.
- Email - based self registration:- for enabling user to create their own account.
- Account - How to add or remove permission from Account/ Student.

Create Roles and permissions , Assign roles

* Role and permission

- Go to Administration > site administration > Users > Permission > Define Roles.
- click the Add a New Role button.
- if desired select an existing Role or upload a preset, otherwise click the continue button.
- Give the Role a short name e.g. Parent.
- You must provide a full name for a custom roles. If you need to name the role for multiple language you can use multi- lang syntax if you wish.
- Give a role a description.
- Select an appropriate role auth type.
- Select the context where the role may be assigned.
- set permission as required.
- scroll the top or bottom of the page and "create this role" click on it.

Assign Roles

- choose a type of Role you want to assign.
- Once you have chosen a role you wish to assign a list of user who currently have that role can do these or do operation.

Date _____

Expt. No. 12

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Implement Password Salting

Password are stored in moodle in an encrypted form, called an MD5 Hash.

Password Salting is a way of making password more secure by adding a random string of characters to password before their MD5 hash is calculated, which makes them harder to reverse.

To set a password salt, add the following line to your config.php file:

```
$CFG->passwordsalt = 'Some long random  
string here with the lots of characters';
```

The random string of characters should be a mix of letter, Number and other character. The moodle salt generator may be used to obtain a suitable long random string.

A string length of at least 40 characters is recommended.

Teacher's Signature : _____

Date _____

Expt. No. 13

Page No. 18

Perform site backup, course backup, course restore, automated course backup.

Site backup

A site backup allows a site administrator to save everything associated with a moodle site. These backup can be restored to bring a site back to the point in time when the backup was made.

Performing regular backups are highly recommended to reduce the amount of lost information in the event of a problem on the site and to speed the overall recovery process.

Source backup

- Go to course and from course > moodle > course.moodle > select Backup.
- initial settings - select activities blocks, filters and other items as required then click the next button.
- Scheme setting - select, deselect specific item to include in backup. Then click the next button.
- click on desired option then review and configuration and click 'Perform backup'.
- Complete - click the continue button.

Teacher's Signature : _____

Course Restore

- Go to Course Navigation > more > course menu > Restore.
- upload the Backup file and select the Private file and click Restore.
- confirm the Restore.
- Select the destination to Restore.
- Select activite and block filters and possible other item as required them click the Next button.
- Select new scheme or course name.
- Then check everything.
- click the continue button.

Automated course Backup

- Go to administration > site administration > course > Backup > automated backup setup.
 - set backup - auto - active to enabled.
 - select the day of the week to run the backup.
 - Set the path and set the review and click continue.
- ~~Backup status can be:~~

~~OK~~

~~Skipperd~~

~~Unfinished~~

~~Error~~

Right