**Drupal 8 theming**

1. Enable the twig debug functionality. This is used to know the which theme templates are used.

Copy the default.services to services in sites/default/..

Under twig.config, enable the twig debug functionality.

twig.config: debug: true

1. Create the custom theme in the theme folder.
2. Create two folders ‘contrib’ and ‘custom’.
3. Inside the contrib add the contributed themes, and custom themes inside the custom folder.

Basic Theming:

1. Create the custom theme folder. Eg: custom\_theme
2. Create the custom\_theme.info.yml file, which contains the meta-data information about the theme.
3. Add the name, description, type(new: required), regions, libraries(global-styling), version, core, datestamp.
4. Add the libraries file which contains the css and js file.
5. Add the css and js folder.
6. Add the images folder
7. Add the screenshot
8. Add the custom\_theme.breakpoints.yml file.
9. Add the templates folder.
10. Add the page.html.twig file in the templates folder
11. Enable the theme in the appearance link.

Theme for the particular page:

1. page--node--2.html – giving the node id.

<https://www.drupal.org/node/2354645>

Theme the particular block:

1. block--sidebarblock1.html

sidebarblock1 is the name of the block.

Theme the particular view:

1. views-view--latest-news--page.html

Where the latest news is name of the view.

Theme the contact form:

1. add the theme details in hook\_theme function.
2. Add the twig template in template folder.
3. Add the form details.

**Rendering the block in the twig file:**

* Create the themename.theme file in the custom theme folder.
* Template.php is removed in drupal 8.
* Add the preprocessor function to the page.
* Load the block

$block = \Drupal\block\Entity\Block::load('customblock2');

* Define the variable called “My\_region” and pass the block function inside this variable

$variables['My\_region'] = \Drupal::entityTypeManager()

->getViewBuilder('block')

->view($block);

* Call this variable in your twig file eg: page.html.twig

{{ My\_region }}

**Log messages in drupal 8**

1. No watchdog used in drupal 8.
2. use Psr\Log\LoggerInterface; Use this class to use Logger functionality.
3. \Drupal::logger('custom\_drupal')->notice($message);

Logs the message from the module named custom\_drupal and prints the message in reports sections.

1. Logs the message with form details in array

\Drupal::logger('custom\_drupal')->notice('<pre>'.print\_r($data, TRUE).'</pre>');

**Drupal 8 training points:**

* Added the default shortcuts in the create basic page.
* Quick edit is the new in drupal 8 as we can edit the content in place.
* Ck editor is the default editor in drupal 8
* If we require more options in the ck editor, we can add in configurations, text formats.
* We can more group and add more options for the ck editor.
* Full html supports the scripts and html 5. While basic html doesn’t support it.
* Drupal contents are all in blocks.
* Machine name is the reference name inside the table.
* Demonstrate block regions gives the regions overview.
* Html5test.com
* Drupal 8 doesn’t support ie6, ie7, and mostly ie8
* Adding video file in the site, add the video tag in the source of the editor.
* Contact storage module which is the module for the storage of the contact forms.
* Drupal 8 symphony framework components – yaml, treason

Drupal 8 tasks:

1. Creating custom Modules
   1. Drupal 8 Module skeleton
   2. Namespace
   3. Routing in Drupal 8
2. Hooks difference from D7 to D8 (important hooks, not all)
3. Features VS configuration management
4. Creating Blocks from custom modules
5. Creating Custom Forms from custom Module
6. Altering Form from custom Module
7. Custom Theme development and Sub Theme in detail
8. Creating custom template file from custom module
9. Using of theme function from Custom modules
10. Creating custom Region in Themes
11. Twig debugging
12. Customizing page/node/views/blocks templates in Theme (naming conventions like D6, D7)
13. Updating Views query or query output
14. Multisite setup in Drupal 8
15. Creating Tabbed menu from Custom Module
16. Creating web services in Drupal 8
17. How caching works in Drupal 8
18. Use of the below new conf files in D8:
    1. development.services
    2. settings.local.php
    3. default.services
19. Testing - Unit testing in D8
20. Using Composer in a Drupal project
21. Standards, security and best practices - Drupal8 sanitization
22. Profiles installation in Drupal 8
23. Drupal 8 - Creating patches