

Conversion processes HTML template to WordPress theme:

A. Pages setup part: (Edit files name correctly)

1. Create a **style.css** file in your theme's root directory and write the following codes. Or browse the link for more study [Main Stylesheet \(style.css\) | Theme Developer Handbook | WordPress Developer Resources](#)

```
/*
Theme Name: pencilBox RPL level 4
Author: pencilBox
Description: This is Theme Description
Tags: blog, custom-background, custom-logo, custom-menu, editor-style,
featured-images, footer-widgets
Version: 1.3
Requires PHP: 7.0
License: GNU General Public License v2 or latest
License URI: http://www.gnu.org/licenses/gpl-2.0.html
Text Domain: rpl_level_4
This theme, like WordPress, is licensed under the GPL.
*/
```

2. Create **functions.php** in your theme's root directory. All the functionalities of the theme will be written here.
3. Add a theme pic and set name **screenshot.png**
4. Create **index.php**
5. Our theme will be appeared. Please *Activate* the theme.
6. Create **header.php** & **footer.php**
7. Create a folder, such as assets. And keep your CSS, JS/Jquery, images files here.

B. Theme setup:

1. Add CSS and JS files to your theme. Edit **functions.php** and add following code to the file.

```
function my_theme_wp_scripts(){
    wp_enqueue_style('bootstrap-
css',get_theme_file_uri().'/assets/bootstrap/css/bootstrap.css','4.6.0' , false);
    wp_enqueue_style('custom-
css',get_theme_file_uri().'/assets/css/custom.css','1.0.0' , false);
    wp_enqueue_style( 'style', get_stylesheet_uri() );
    // ----- scripts
```

```

    wp_enqueue_script('bootstrap-
js',get_theme_file_uri().'/assets/bootstrap/js/bootstrap.min.js',array("jquery"),
time() , true);
    wp_enqueue_script('custom-js',get_theme_file_uri().'/assets/js/main.js',
array("jquery"), time() , true);
}
add_action('wp_enqueue_scripts','my_theme_wp_scripts');

```

2. Now we will copy html code from index.html and paste it to **index.php** and then collect header part code and paste these code into **header.php**
After that paste the following code inside head tag.

```
<?php wp_head(); ?>
```

This function is WordPress by-default function to define the header. Please check the following image where to paste the code.

```

akib_rpl > header.php
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta http-equiv="X-UA-Compatible" content="IE=edge">
7      <meta name="viewport" content="width=device-width, initial-scale=1.0">
8      <title>Document</title>
9
10     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.css">
11     <link rel="stylesheet" href="assets/css/custom.css">
12     <?php wp_head(); ?>
13 </head>
14
15 <body <?php body_class(); ?>>
16 <div class="content_wrap container">
17 <div class="header">
18 >     <div class="top_header"> ...
30     </div>
31 >     <div class="mid_header"> ...
143    </div>
144 >     <div class="container"> ...
196    </div>
197 </div>

```

- Now grab the footer part of code and paste it to **footer.php**

```
<?php wp_footer(); ?>
```

Add this code in your footer part like the picture inside the body tag like the following image.

```
akib_rpl > footer.php
1
2 > <footer> ...
41 </footer>
42 </div>
43 <?php wp_footer(); ?>
44 </body>
45
46 </html>
```

- Now add

```
<?php
get_header();
?>
```

At the top of your theme's **index.php** where your header.php code was placed. If this function is called then **header.php** file will be called by WordPress by default.

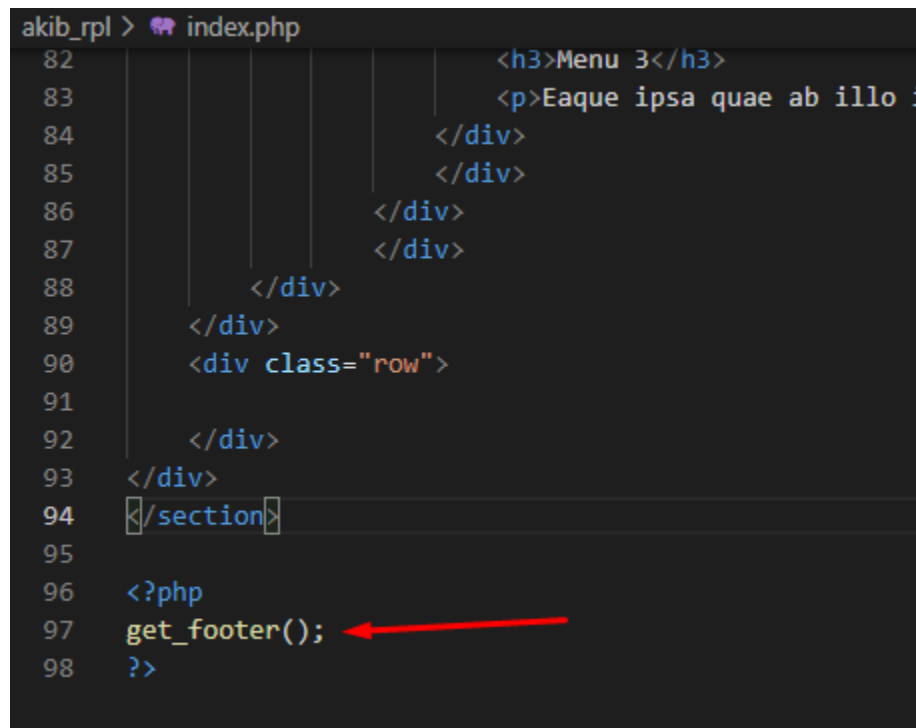
Please take a look of the picture.

```
akib_rpl > index.php
1 <?php
2 get_header();
3 ?>
4 <section>
5 <div class="container">
6 <div class="row">
7 <div class="col-8 pl-0">
8 <div class="pm_banner">
9 
10 </div>
11 <div class="marquee slider">
12 <h3>
13 <marquee direction="left" scrollamount="4">
14 নো মাস্ক নো সার্ভিস। করোনাভাইরাসের বিস্তার রোধে এখনই ডাউনলোড করুন Corona
15 </marquee>
16 </h3>
17 </div>
18 <div class="slider">
19 <div id="carouselExampleControls" class="carousel slide" data-ride="carousel">
20 <div class="carousel-inner">
```

- At the bottom of the index.php add the footer.php by calling this function.

```
<?php
get_footer();
?>
```

We can follow this image like,



```
akib_rpl > index.php
82      <h3>Menu 3</h3>
83      <p>Eaque ipsa quae ab illo i
84      </div>
85      </div>
86      </div>
87      </div>
88      </div>
89      </div>
90      <div class="row">
91
92      </div>
93  </div>
94  </section>
95
96  <?php
97  get_footer();
98  ?>
```

If all above the coding is correct, WordPress theme will load our given CSS , JS, images file.

C. Dynamic content:

- Logo add:
 - Add the following code to **functions.php** this theme support call the custom-logo support for the theme.

```
function my_wp_theme_setup(){
    add_theme_support('custom-logo');
    load_theme_textdomain('rpl_level_4');
}
add_action('after_setup_theme','my_wp_theme_setup');
```

- b. To display the logo add the following code where you want to show the logo image.

```
<a href="<?php home_url(); ?>">
    <?php
        if(the_custom_logo('the_custom_logo')){
            the_custom_logo();
        }
    ?>
</a>
```

- c. Here is an example that logo image is in header.php file, to show logo image in header.php file, look at the image bellow:

```
akib_rpl > header.php
11 <link rel="stylesheet" href="assets/css/custom.css" /
12 <?php wp_head(); ?>
13 </head>
14
15 <body <?php body_class(); ?>>
16 <div class="content_wrap container">
17 <div class="header">
18 > <div class="top_header">...
30 </div>
31 <div class="mid_header">
32 <div class="container">
33 <div class="row justify-content-end">
34 <div class="col-4 pt-2 pl-4">
35 <a href="<?php home_url(); ?>">
36 <?php
37     if(the_custom_logo('the_custom_logo')){
38         the_custom_logo();
39     }
40 ?>
41 </a>
42 </div>
43 <div class="col-8 p-0">
44 <div class="d-flex justify-content-end">
```

- d. Now set the logo from **Appearance -> Customize -> Site Identity -> Logo**

- e. `load_theme_textdomain('rpl_level_4');` this is to load textdomain that we have added to the **style.css**

2. Header Menu :

- a. Register wp nav menus add by following code inside **my_wp_theme_setup()** that previously added to the **functions.php**

```
register_nav_menus( array(
    'primary_menu' => __( 'Primary Menu', 'rpl_level_4' ),
) );
```

- b. To add class in li & a tag then add these codes to the **functions.php** file

```
function add_additional_class_on_li( $classes, $item, $args ) {
    if ( 'primary_menu' === $args->theme_location ) {
        $classes[] = "nav-item"; // li tag class
    }
    return $classes;
}
add_filter( 'nav_menu_css_class' , 'add_additional_class_on_li' , 1, 3);

function add_link_atts($atts, $item, $args) {
    if ( 'primary_menu' === $args->theme_location ) {
        $atts['class'] = "nav-link"; //a tag class
    }
    return $atts;
}
add_filter( 'nav_menu_link_attributes', 'add_link_atts', 10, 3);
```

- c. To display the dynamic menu add the following code to the header.php or where you want to show the header menus

```
<?php
    wp_nav_menu(array(
        'menu' => "main_menu",
        'menu_class' => "navbar-nav mr-auto", //ul tag class
        'theme_location' => 'primary_menu',
    ));
?>
```

d. Prime-minister banner:

1. Add a theme support called `post_thumbnails` inside the `my_wp_theme_setup();` in ***functions.php*** this will activate the wp featured image option.

```
add_theme_support('post-thumbnails');
```

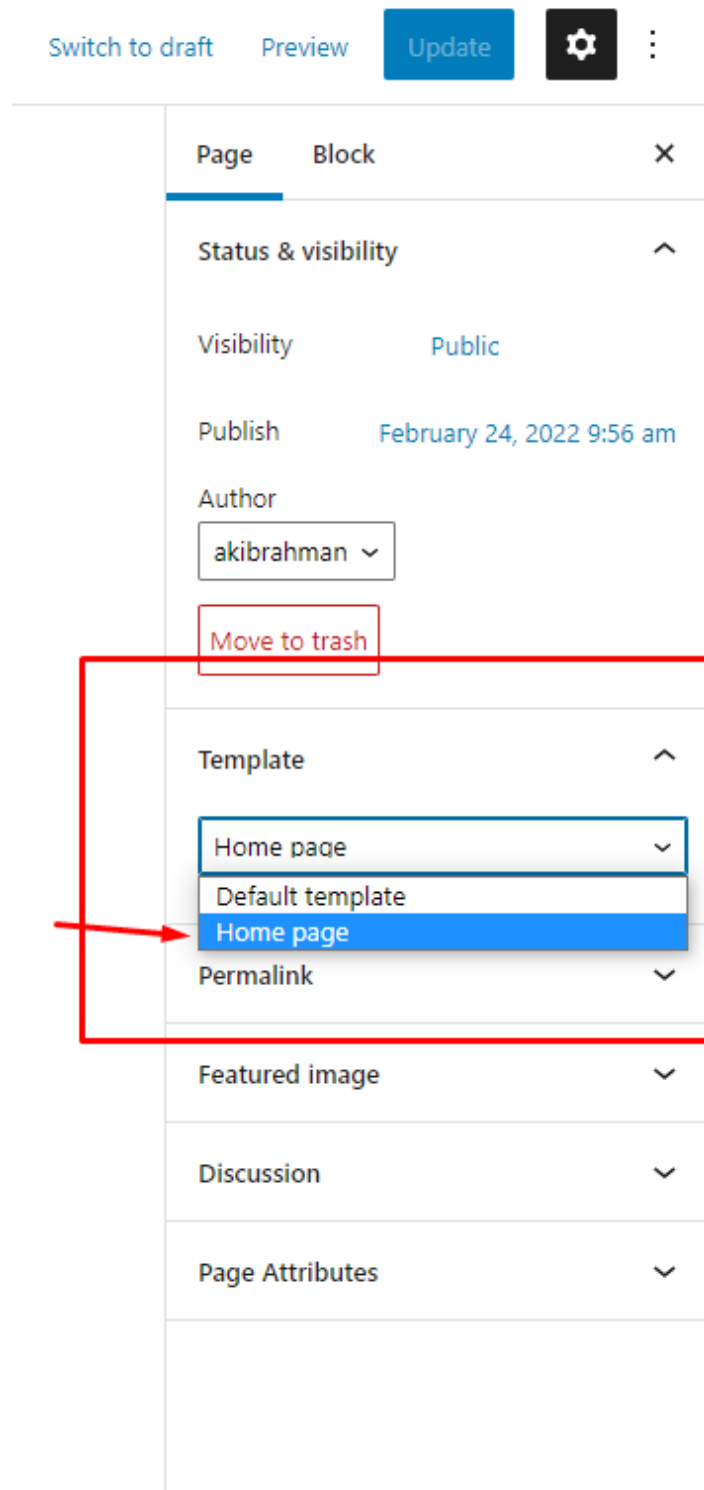
2. Create a new file in root directory and name it as ***home.php*** & add the following code at the top of `home.php` file. And then set the page name at Template Name: field.

```
<?php
/**
 * Template Name: Home page
 */
?>
```

3. Now Copy the ***index.php*** code and paste the code below the Template name of ***home.php***
4. Display the featured image by adding the following code to ***home.php*** in `pm_banner` section.

```
<?php
if(has_post_thumbnail()){
    the_post_thumbnail();
}
?>
```

5. Now create a new page name as your choice and set template which we have made recently. Follow the image as example



6. After that add a banner image to featured image option.
7. Set this page as the front page and check if all tasks working or not.

8. Now register_widget for right sidebar. Add this code in **functions.php**

```
function rpl_widgets()
{
    register_sidebar(array(
        'name'          => __('right-sidebar', 'rpl_level_4'),
        'id'             => 'right-sidebar',
        'description'    => __('right side bar', 'rpl_level_4'),
        'before_widget'  => '<div id="%1$s" class="%2$s">',
        'after_widget'   => '</div>',
        'before_title'   => '<h4>',
        'after_title'    => '</h4>',
    ));
}
add_action("widgets_init", "rpl_widgets");
```

9. After register sidebar widget we will get widget option in Appearance in admin-panel. Add sidebar widget images or elements.
10. Display the widgets in sidebar add the following code in **home.php**

```
<?php if ( is_active_sidebar( 'right-sidebar' ) ) : ?>
    <?php dynamic_sidebar( 'right-sidebar' ); ?>
<?php endif; ?>
```

11. Example: where to paste the code

```
akib_rpl > home.php
6  <?php
7  get_header();
8  ?>
9
10 <section>
11 <div class="container">
12     <div class="row">
13 >         <div class="col-8 pl-0">...
164         </div>
165         <div class="col-4 ">
166             <div class="right_widgets">
167                 <?php if ( is_active_sidebar( 'right-sidebar' ) ) : ?>
168                     <?php dynamic_sidebar( 'right-sidebar' ); ?>
169                 <?php endif; ?>
170             </div>
171         </div>
172     </div>
173 </div>
174 </section>
175
176 <?php
177 get_footer();
178 ?>
```

12. Add marquee type post.

- a. Create a marquee post & add a category name `marquee_slide`
- b. Call the marquee post by it's category name
- c. Add the following code to call marquee post in ***home.php***

```
<?php
    $args = array(
        'post_type' => 'post',
        'post_status' => 'publish',
        'category_name' => 'marquee_slide',
        'posts_per_page' => 5,
    );
    $arr_posts = new WP_Query( $args );
    if ( $arr_posts->have_posts() ) :
        while ( $arr_posts->have_posts() ) :
            $arr_posts->the_post();
?>

        <div class="m-slide">
            <marquee direction="left" scrollamount="4" >
                <?php the_content();?>
            </marquee>
        </div>

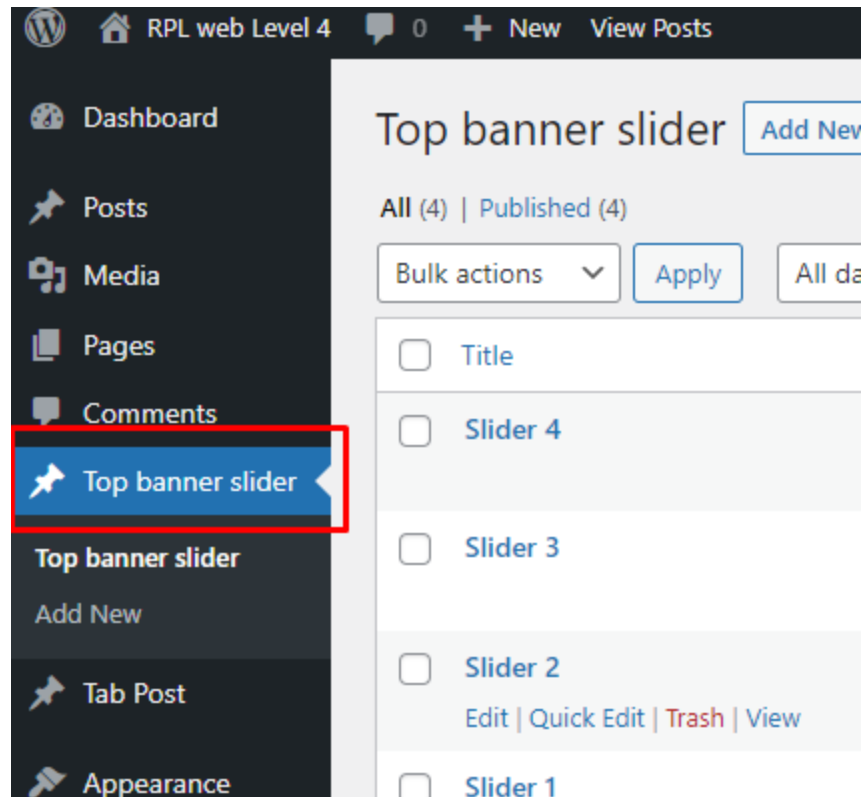
<?php
        endwhile;
    endif;
?>
```

13. Slider post

- a. Add following code to the ***functions.php***

```
function create_my_post_type() {
    register_post_type( 'top_banner_slider',
        array(
            'labels' => array(
                'name' => __( 'Top banner slider' ),
                'singular_name' => __( 'Slider' )
            ),
            'public' => true,
            'has_archive' => true,
            'supports' => array( 'title', 'editor', 'post-
formats', 'thumbnail' )
        )
    );
}
add_action( 'init', 'create_my_post_type' );
```

- b. After adding these code we will get **Top banner slider** option in admin panel like



- c. Add posts and set featured images. We will use these image to the slider.
- d. Now display the images on the slider section with the following code. copy these code and paste in **home.php**

```
<?php
$args = array(
    'post_type'      => 'top_banner_slider',
    'posts_per_page' => 10,
);
$loop = new WP_Query($args);
while ( $loop->have_posts() ) {
    $loop->the_post();
    $count;

    <div class="carousel-item <?php echo
$count==1?'active':'';?>">
    <?php
    if(has_post_thumbnail()){
        the_post_thumbnail();
    }
    ?>
    </div>
    <?php
    $count++;
}
```

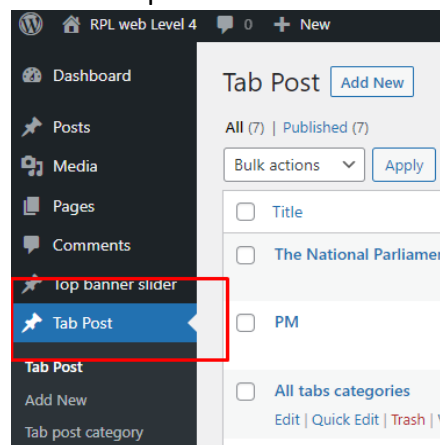
```
}  
?>
```

14. Tab section

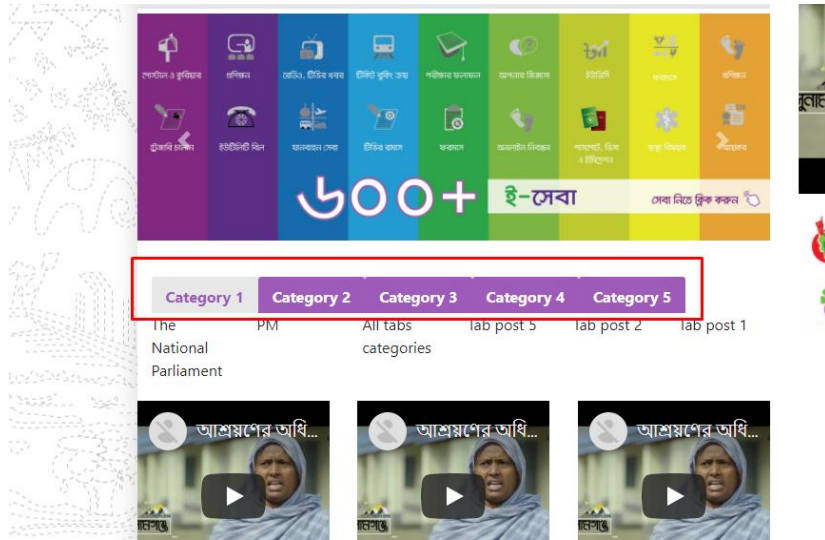
- a. Add these code in **functions.php** and tab section will be managed by this custom post type.

```
function create_custom_tab() {  
    $args = array(  
        'public'           => true,  
        'label'            => __( 'Tab Post', 'rpl_level_4' ),  
        'supports'         => array( 'title', 'editor', 'post-  
formats', 'thumbnail' )  
    );  
    register_post_type( 'tab_posts', $args );  
  
    register_taxonomy( 'tab_posts_category', 'tab_posts',  
        array(  
            'hierarchical' => true,  
            'label' => __( 'Tab post category', 'rpl_level_4' ),  
            'singular_name' => 'Category',  
            "rewrite" => true,  
            "query_var" => true  
        )  
    ),  
    array(  
        'singular_name' => 'Category',  
        "rewrite" => true,  
        "query_var" => true  
    )  
);  
add_action( 'init', 'create_custom_tab' );
```

- b. After adding these codes in functions.php the custom post type name Tab post will be shown in admin-panel like,



- c. Add some category which will be shown in theme's this section



- d. Add category-wise post.
- e. To display tab titles add these codes in **home.php** file tab sections in title part.

```
<?php
//Display list of all the categories of custom post types
$terms = get_terms(
    array(
        'taxonomy' => 'tab_posts_category', // Custom Post Type
        'hide_empty' => false,
        'order' => 'asc',
    )
);
$count_tab = 1;
foreach ($terms as $term) {
    ?><li >
        <a data-toggle="tab" class="<?php echo
        $count_tab==1?'active':'no'; ?>" href="#<?php echo $term-
        >slug?>"><?php echo $term->name ?></a>
        </li><?php
        $count_tab++;
    }
    ?>
```

- f. Now display tab posts as category name. Add these code in **home.php** inside tab content

```

<?php $count_tab = 1;
    foreach ($terms as $term) {
        $args = array(
            'post_type'      => 'tab_posts',
            'posts_per_page' => 10,
            'tax_query' => array(
                array(
                    'taxonomy' => 'tab_posts_category', // taxonomy name
                    'field' => $term->slug, // term_id, slug or name
                    'terms' => $term->term_id, // term id, term slug or term name
                )
            )
        );
        $loop = new WP_Query($args);?>
        <div id="<?php echo $term->slug?>" class="tab-pane fade <?php
echo $count_tab==1?'active show':''; ?>">
        <div class="row">
            <?php
            while ( $loop->have_posts() ) {
                $loop->the_post();?>
                <div class="col-2"><p><?php the_title(); ?></p>
                <?php
                if(has_post_thumbnail()){
                    the_post_thumbnail();
                }?>
            </div>
            <?php
            }
            $count_tab++;
            ?>
        </div>
    </div>
    <?php
    }
    ?>

```

g. Add footer menu

```
'footer_menu' => __( 'Footer Menu', 'akib_rpl' ),
```

In functions.php file on this part

```

<?php
function my_wp_theme_setup(){
    add_theme_support('custom-logo');
    add_theme_support('post-thumbnails');
    load_theme_textdomain('akib_rpl');
    $args = array(
        'default-color' => 'ffffff',
        'default-image' => get_template_directory_uri() . '/assets/in
    );
    add_theme_support( 'custom-background', $args );
    register_nav_menus( array(
        'primary_menu' => __( 'Primary Menu', 'akib_rpl' ),
        'footer_menu' => __( 'Footer Menu', 'akib_rpl' ),
    ) );
}
add_action('after_setup_theme','my_wp_theme_setup');
// extra classes
function add_additional_class_on_li( $classes, $item, $args ) {

```

h. Show footer menu in footer.php

```

<?php wp_nav_menu(array(
    'menu' => "footer_menu",
    'menu_class' => "d-flex",
    'theme_location' => 'footer_menu',
));
?>

```

i. Example like,

```

<div class="col-7">
    <div class="footer_menu">
        <ul class="list-none">
            <div class="footer_list">
                <?php wp_nav_menu(array(
                    'menu' => "footer_menu",
                    'menu_class' => "d-flex",
                    'add_li_class' => 'nav-item',
                    'theme_location' => 'footer_menu',
                ));
            ?>
        </div>
    </ul>
</div>
<div class="note">

```

j.