**Conversion processes HTML template to WordPress theme:**

1. **Pages setup part:** (Edit files name correctly)
2. 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](https://developer.wordpress.org/themes/basics/main-stylesheet-style-css/)

/\*

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

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1. Create ***functions.php*** in your theme’s root directory. All the functionalities of the theme will be written here.
2. Add a theme pic and set name ***screenshot.png***
3. Create ***index.php***
4. Our theme will be appeared. Please *Activate* the theme.
5. Create ***header.php*** & ***footer.php***
6. Create a folder, such as assets. And keep your CSS, JS/Jquery, images files here.
7. **Theme setup:**
8. 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);

}

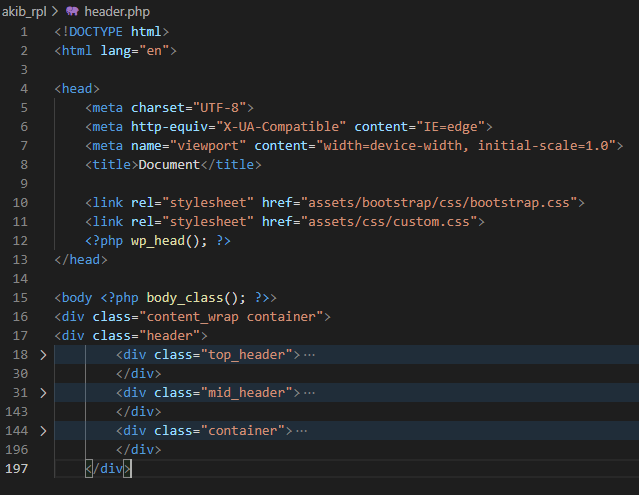
add\_action('wp\_enqueue\_scripts','my\_theme\_wp\_scripts');

1. 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(); ?>

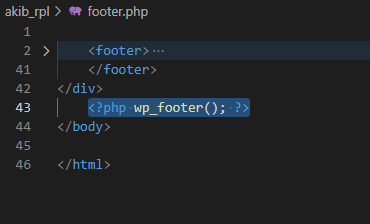
This function is WordPress by-default function to define the header. Please check the following image where to paste the code.



1. 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.



1. Now add

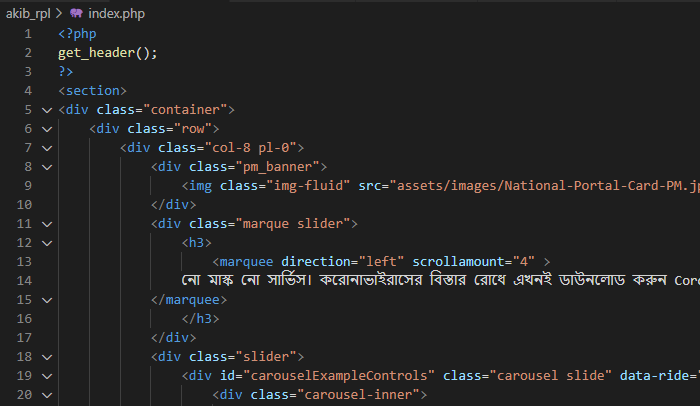
<?php

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.



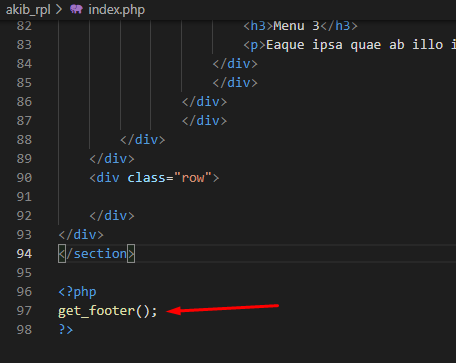
1. At the bottom of the index.php add the footer.php by calling this function.

<?php

get\_footer();

?>

We can follow this image like,



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

1. **Dynamic content:**
2. Logo add:
   1. 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');

* 1. 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')){

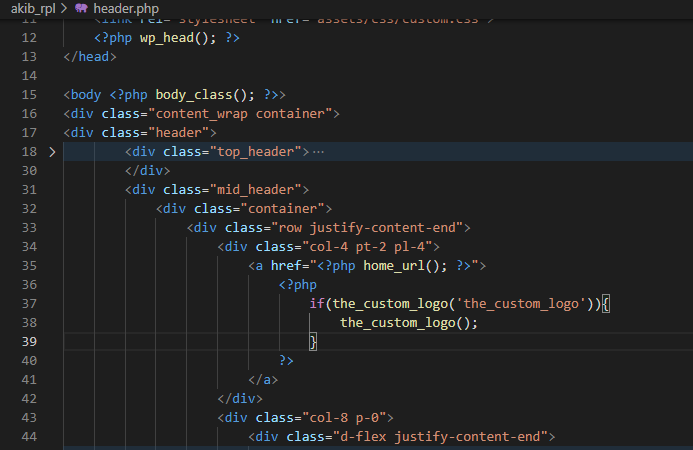
         the\_custom\_logo();

       }

   ?>

</a>

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



* 1. Now set the logo from ***Appearance->Customize->Site Identity->logo***
  2. load\_theme\_textdomain( 'rpl\_level\_4' ); this is to load textdomain that we have added to the ***style.css***

1. Header Menu :
   1. 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' ),

    ) );

* 1. 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);

* 1. 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',

     ));

?>

* 1. 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');

1. 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

 \*/

?>

1. Now Copy the ***index.php*** code and paste the code bellow the Template name of ***home.php***
2. Display the featured image by adding the following code to ***home.php*** in pm\_banner section.

 <?php

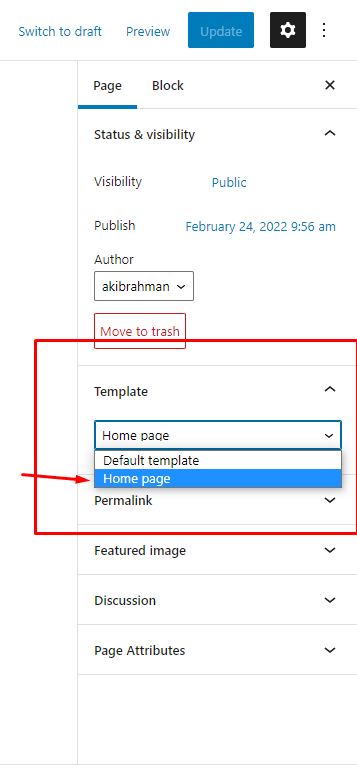
 if(has\_post\_thumbnail()){

   the\_post\_thumbnail();

 }

?>

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



1. After that add a banner image to featured image option.
2. Set this page as the front page and check if all tasks working or not.
3. 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");

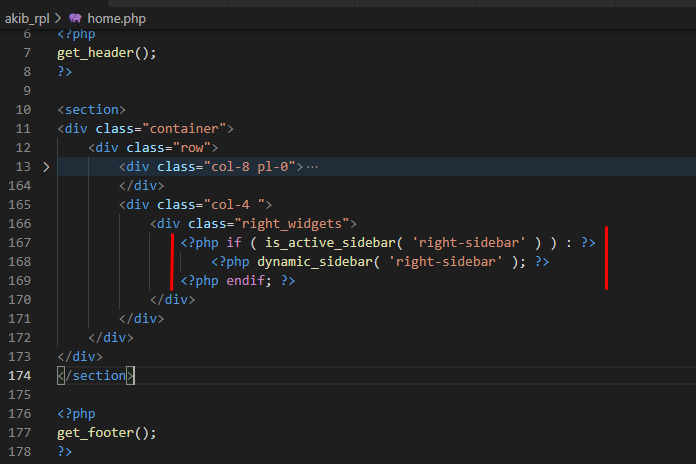
1. After register sidebar widget we will get widget option in Appearance in admin-panel. Add sidebar widget images or elements.
2. Display the widgets in sidebar add the following code in ***home.php***

<?php if ( is\_active\_sidebar( 'right-sidebar' ) ) : ?>

      <?php dynamic\_sidebar( 'right-sidebar' ); ?>

<?php endif; ?>

1. Example: where to paste the code



1. Add marquee type post.
   1. Create a marquee post & add a category name marquee\_slide
   2. Call the marquee post by it’s category name
   3. 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;

?>

1. Slider post
   1. 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')

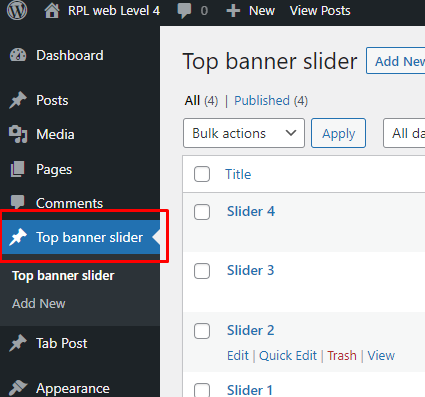
    )

  );

}

add\_action( 'init', 'create\_my\_post\_type' );

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



* 1. Add posts and set featured images. We will use these image to the slider.
  2. 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++;

}

?>

1. Tab section
   1. 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,

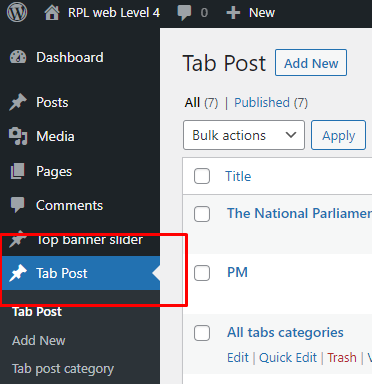
          "query\_var" => true

        ));

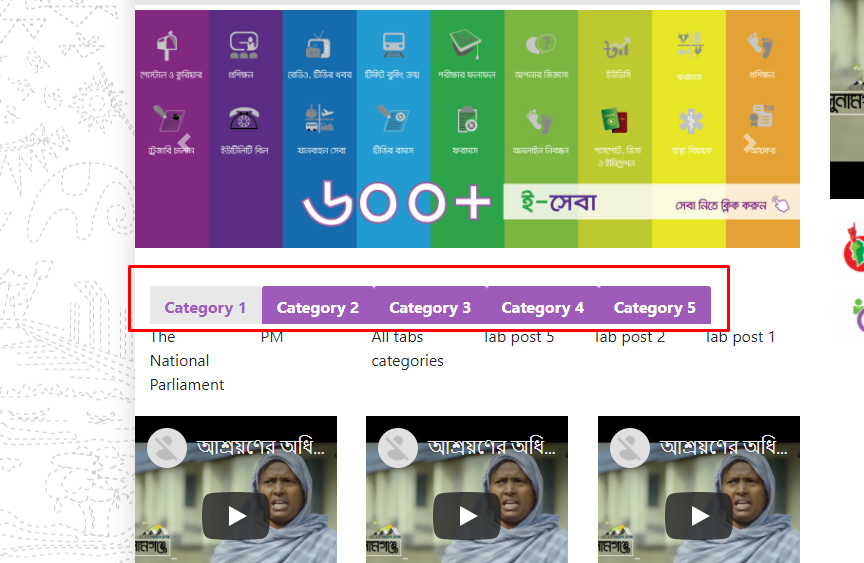
}

add\_action( 'init', 'create\_custom\_tab' );

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



* 1. Add some category which will be shown in theme’s this section



* 1. Add category-wise post.
  2. To display tab titles add these codes in ***home.php*** file tab sctions 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 Taxonomy Slug

     '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++;

     }

?>

* 1. 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

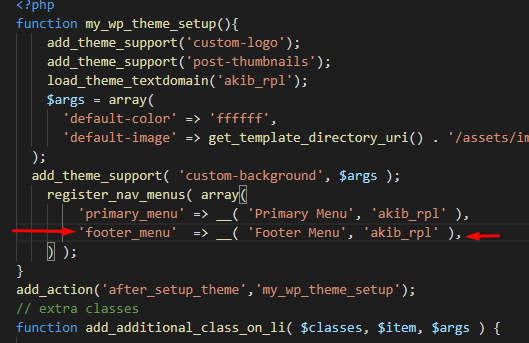
}

?>

* 1. Add footer menu

        'footer\_menu'  => \_\_( 'Footer Menu', 'akib\_rpl' ),

In functions.php file on this part



* 1. Show footer menu in footer.php

<?php  wp\_nav\_menu(array(

       'menu' => "footer\_menu",

       'menu\_class' => "d-flex",

       'theme\_location' => 'footer\_menu',

       ));

?>

* 1. Example like,
  2. 