Assignment-3
(Views and Blocks)

Ques 1:- Create a content type named Employee with following fields:
Employee name

Employee Description

Employee ID

Picture

Salary

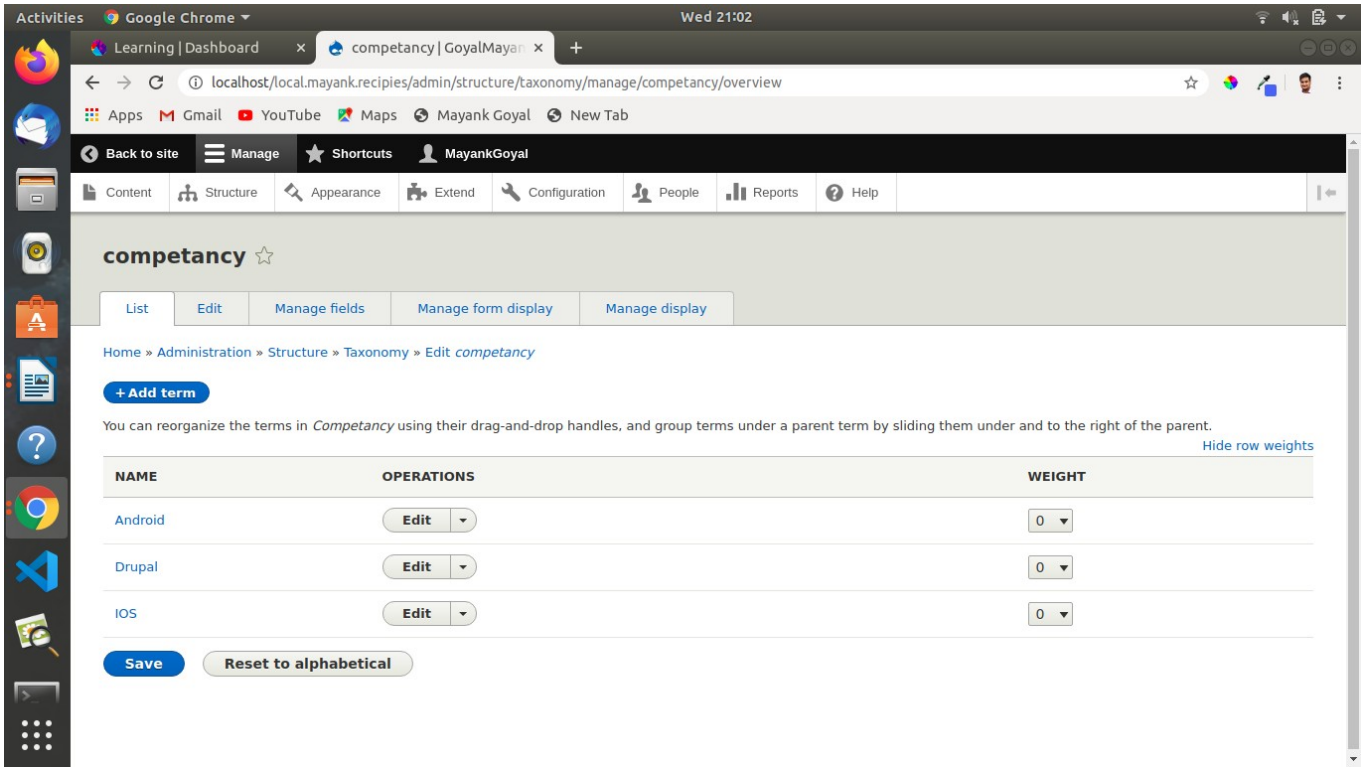
Skills

Competency(taxonomy term)

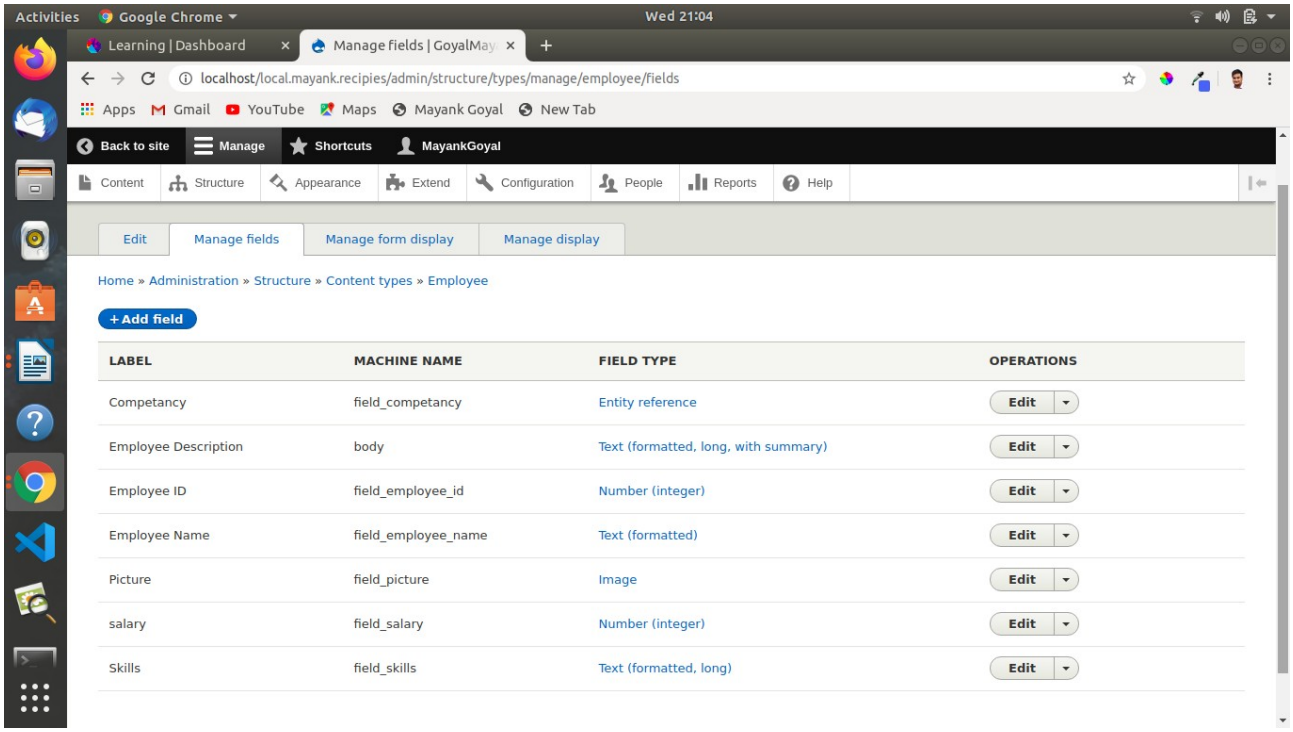
soln:-
step 1:- go to structure >> content-type

Step 2 :- click on add content type and add a content named Employee with following fields

Step 3:- you need to add a taxonomy name competancy , that has vocabulary named competancy and have fields like
a. android b. IOS c. Drupal



step 4: - your table will now contain the following structure :-



step 5: - Add some contents to the table

Ques 2 :- .Create a block programmatically listing all employee name and Employee ID.

Step 1:- under custom folder create a block let say the block myblock

step 2:- inside this folder create a file of myblock.info.yml and add the following code :-

```
name: Myblock
type: module
description: Defines a custom block.
core: 8.x
package: custom
dependencies:
    - blocK
```

Step 3 :- create a folder named src

step 4:- create a subfolder named plugin that contains another subfolder named Block

Step 5:- Inside the folder Block create a file named myblock.php and add the following code :-

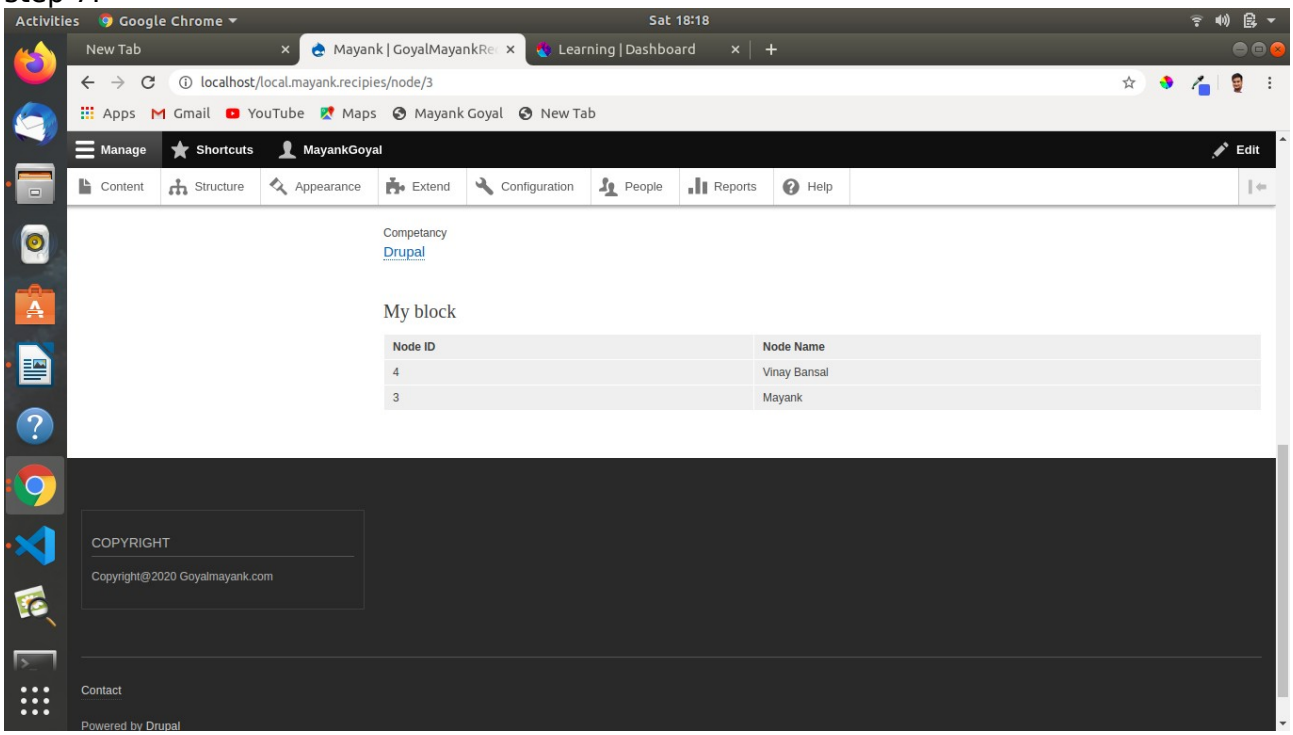
```
<?php

namespace Drupal\myblock\Plugin\Block;

use Drupal\Core\Access\AccessResult;
```

```
use Drupal\Core\Block\BlockBase;
use Drupal\Core\Form\FormStateInterface;
use Drupal\Core\Session\AccountInterface;

/**
* Provides a block with a simple text.
*
* @Block(
* id = "myblock_block",
* admin_label = @Translation("My block"),
* )
*/
class MyBlock extends BlockBase {
/**
* {@inheritdoc}
*/
public function build() {
$query = \Drupal::entityQuery('node')->condition('status', 1); //content type
$nids = $query->execute();
$url = '<table>';
$url .= "<tr><td><b>" . "Node ID" . '</td><td><b>' . "Node Name". '</td></tr>';
foreach ($nids as $nid) {
$node = \Drupal\node\Entity\Node::load($nid);
$body = $node->body->value;
$title = $node->title->value;
$type =$node->type->value;
$url .= "<tr><td>" . $nid . '</td><td>' . $node->title->value . '</td></tr>';
}
$url .= "</table>";
return [
'#markup' => $url,
];
}

/**
* {@inheritdoc}
*/
protected function blockAccess(AccountInterface $account) {
return AccessResult::allowedIfHasPermission($account, 'access content');
}

/**
* {@inheritdoc}
*/
public function blockForm($form, FormStateInterface $form_state) {
$config = $this->getConfiguration();

return $form;
}

/**
```

```
* {@inheritdoc}
*/
public function blockSubmit($form, FormStateInterface $form_state) {
$this->configuration['my_block_settings'] = $form_state->getValue('my_block_settings');
}
}
```

Step 6:- install the module and place your block at desired position and clear the cache

step 7:-

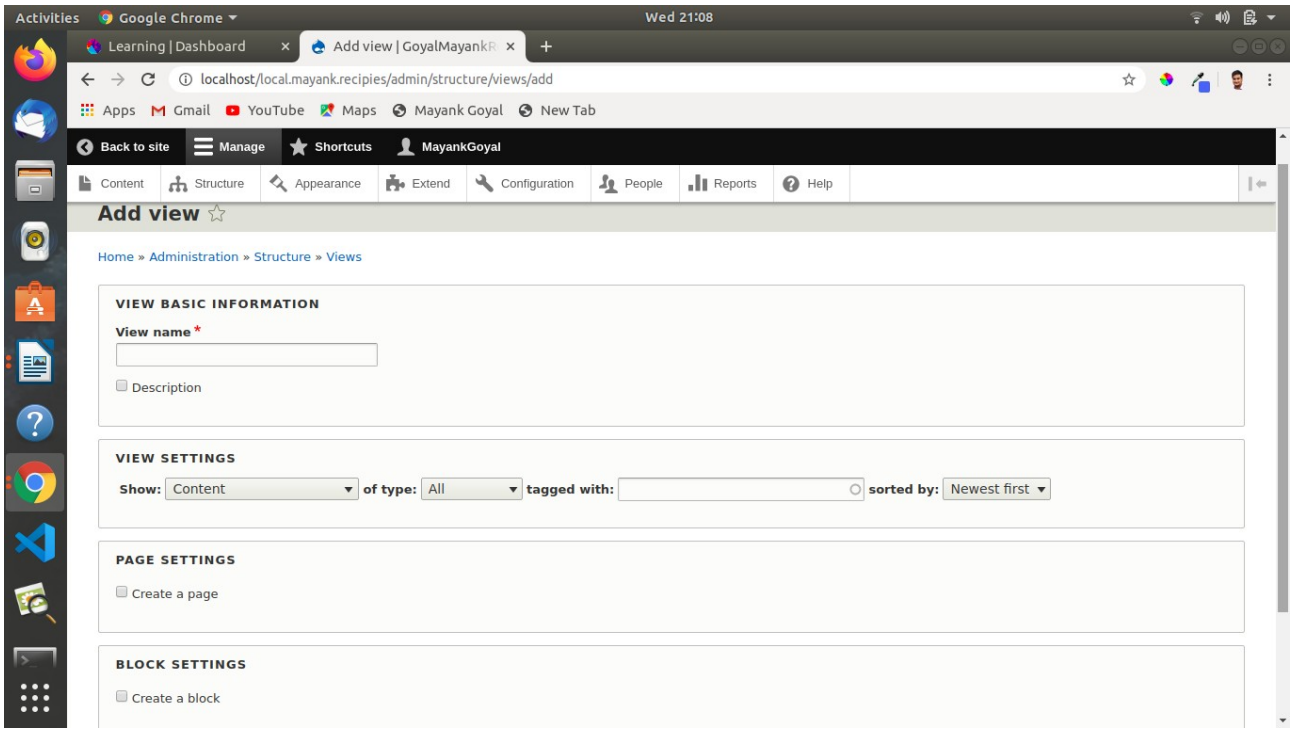


Ques 3 :- Create a view block of employee content type showing employee name and competency in grid format with 3 columns and group them on the basis of competency.

Soln :-

Step 1:- Go to structure >> views

Step 2:- create a view named employee details



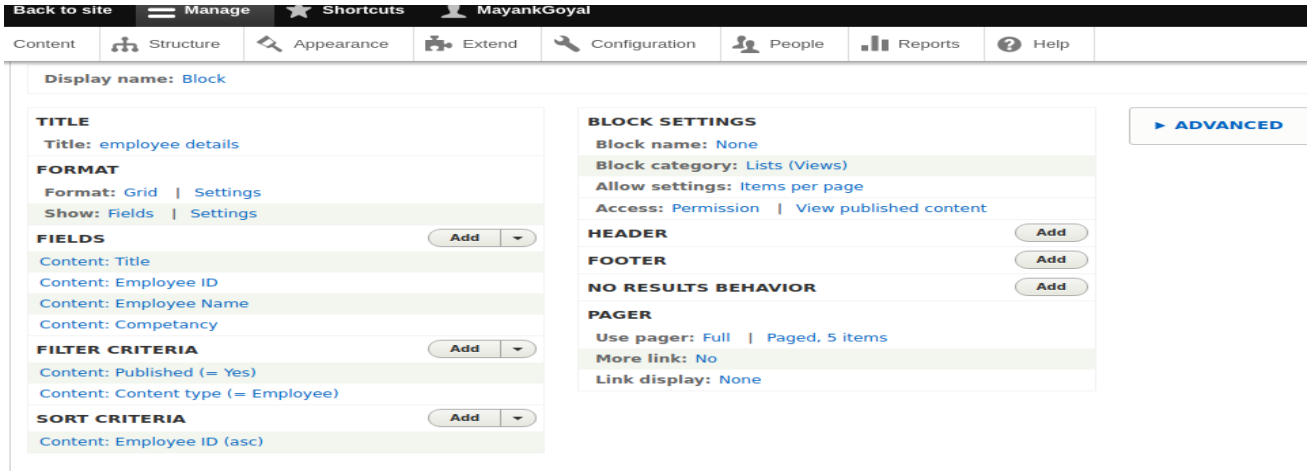
Step 3 :-
set page title

select format as grid , and no of columns as 3

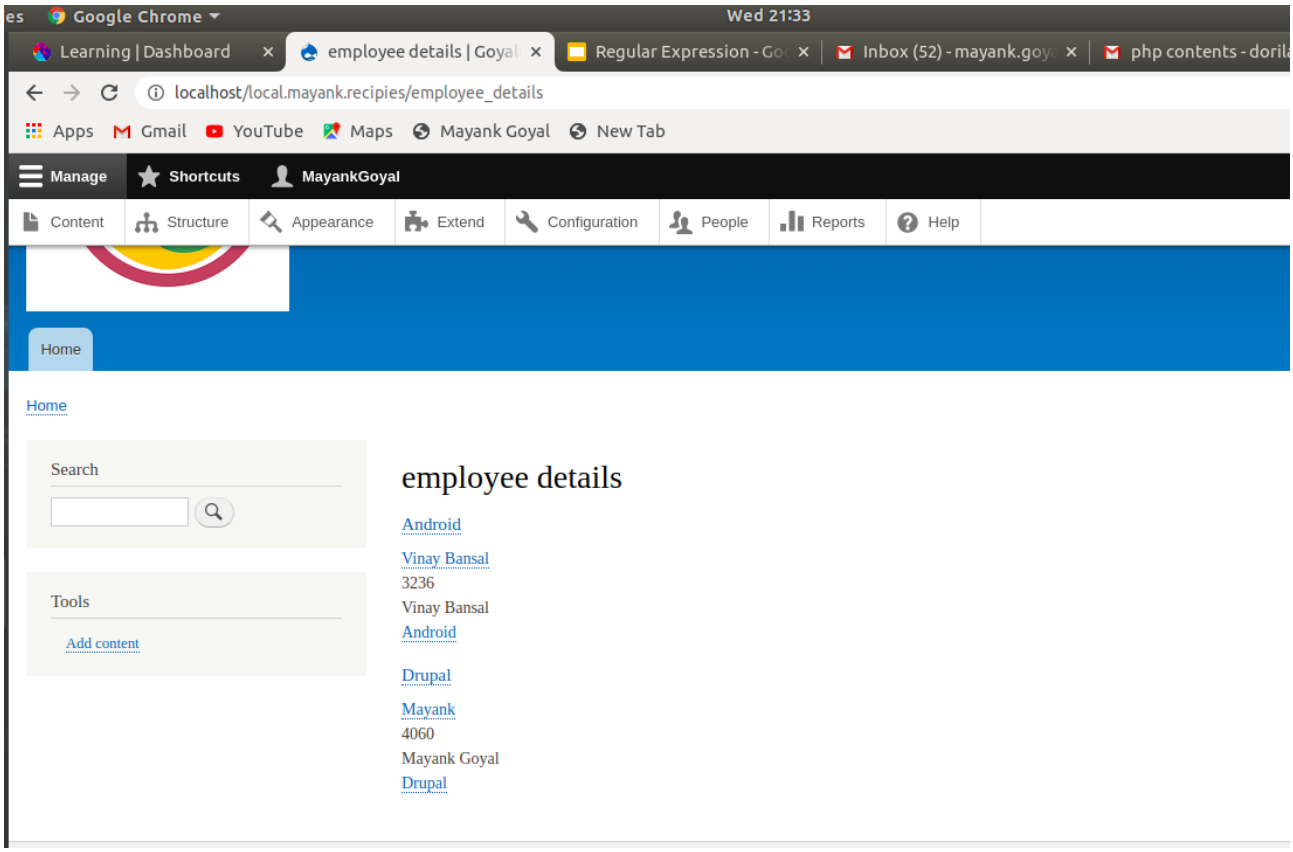
and set show fields option

inside field section add all the fields you want to show

in field sorting criteria choose employee id and sort it in ascending manner



now on the type localhost\local.goyalmayankrecipies.com\ employee_Details



Ques 4 :- List the naming conventions for views templates for views created in question 5 and question 6.
sol : {Doubt}

Ques 5 :- Create a view page of employee content type in a table format with Employee name,
Employee ID and salary as header

1. Sort it on the basis of Employee ID

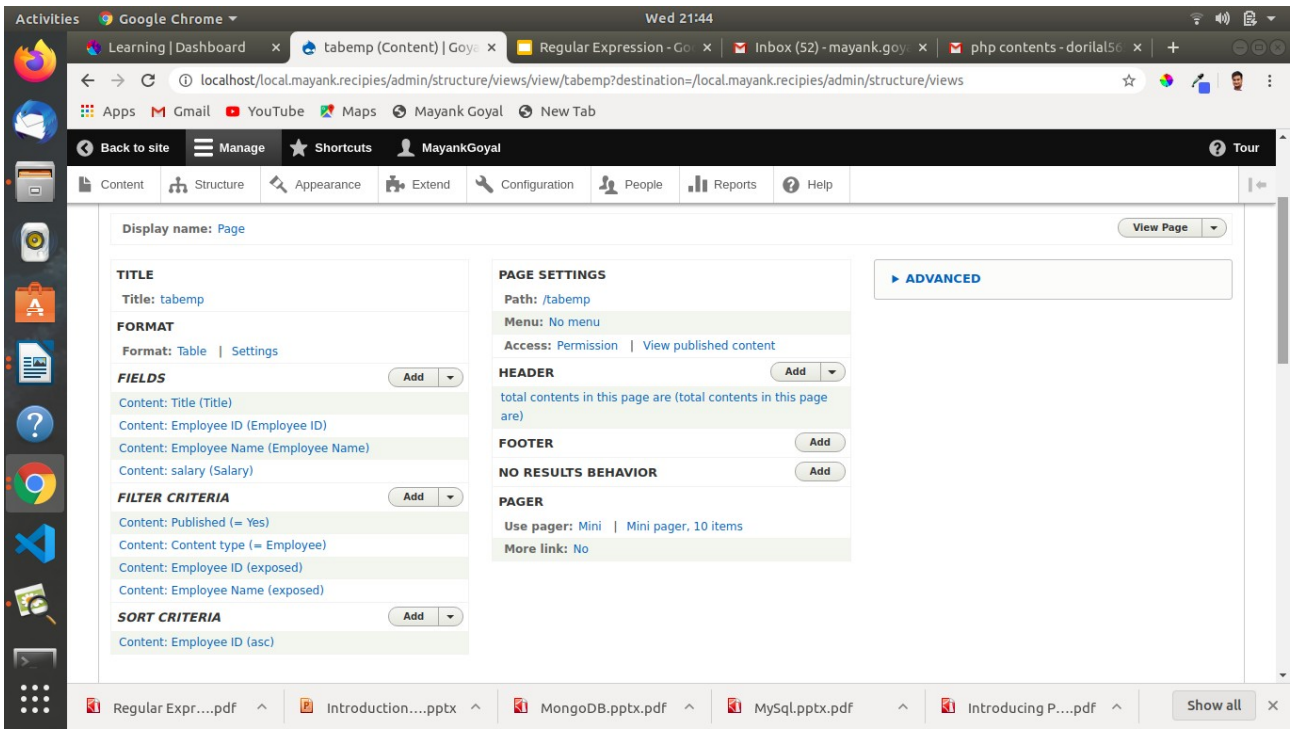
2. Trim the Employee Description field to 50 characters.

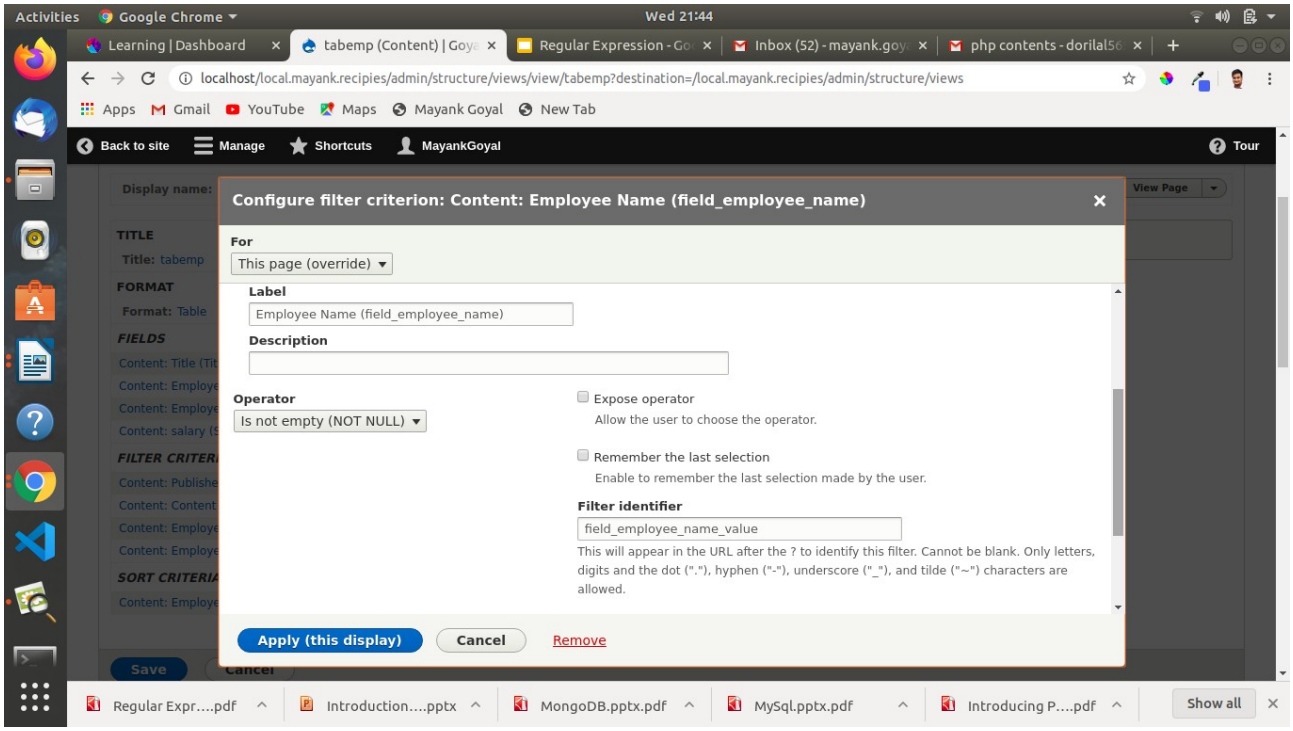
3. Add header “Total Records found : total”

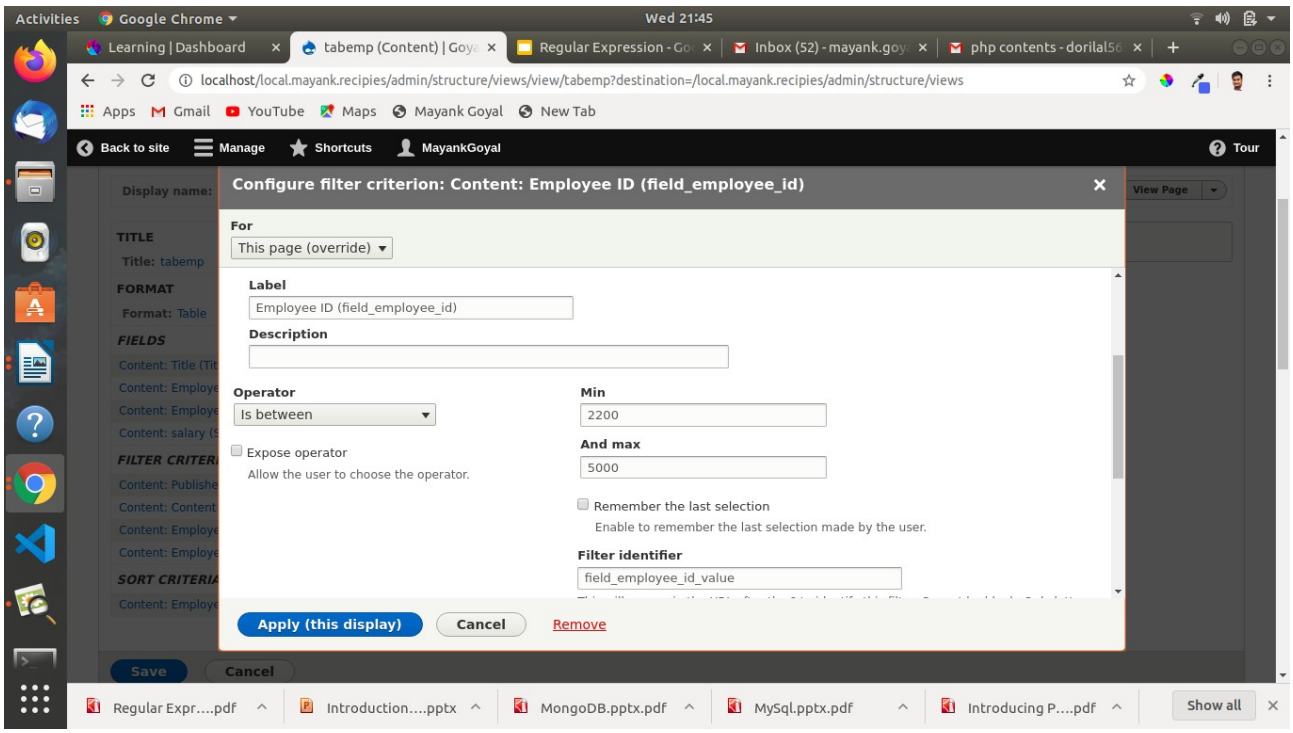
4. Expose the filter for employee name

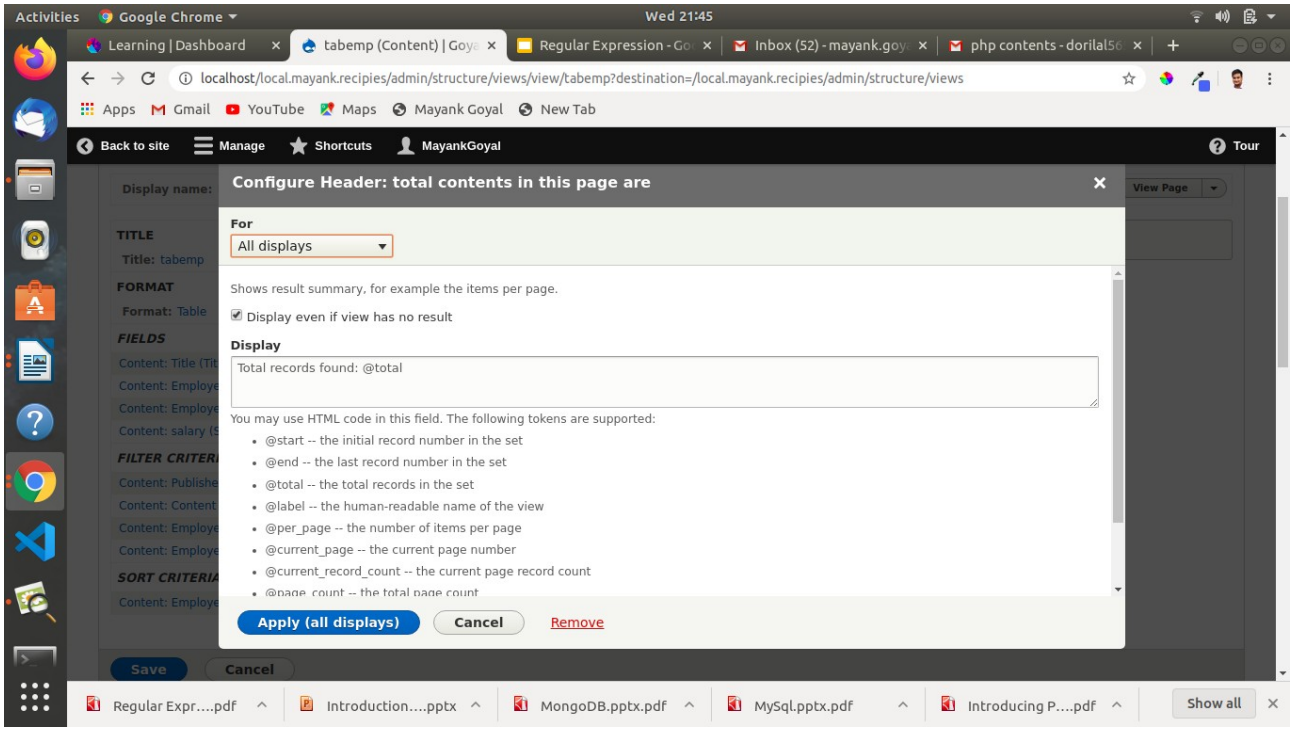
5. Expose the filter for employee id (use Between)

Soln: -

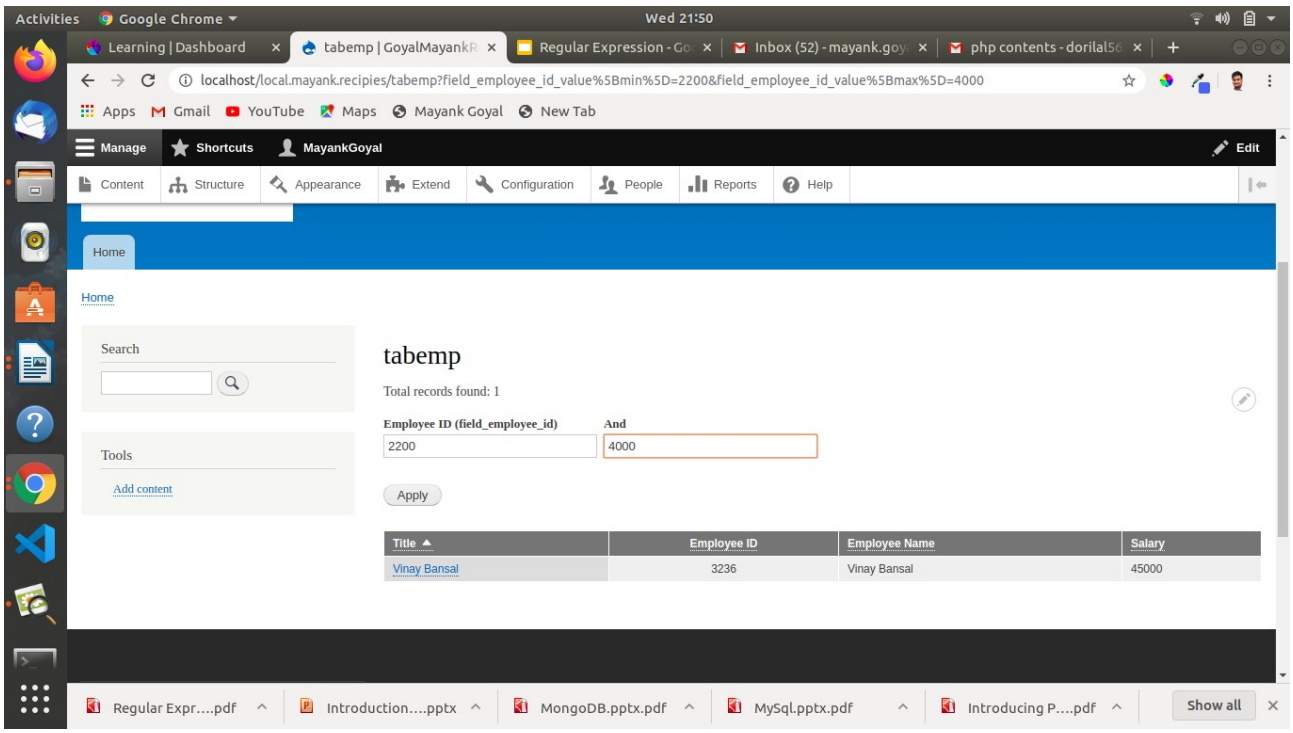

Activities
Google Chrome
Wed 21:44
Learning | Dashboard
tabemp (Content) | Goya
Regular Expression - Go
Inbox (52) - mayank.goya
php contents - dorilal56
localhost/local.mayank.recipies/admin/structure/views/view/tabemp?destination=/local.mayank.recipies/admin/structure/views
Apps
Gmail
YouTube
Maps
Mayank Goyal
New Tab
Back to site
Manage
Shortcuts
MayankGoyal
Tour
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Display name: Page
View Page
TITLE
Title: tabemp
FORMAT
Format: Table | Settings
FIELDS
Add
Content: Title (Title)
Content: Employee ID (Employee ID)
Content: Employee Name (Employee Name)
Content: salary (Salary)
FILTER CRITERIA
Add
Content: Published (= Yes)
Content: Content type (= Employee)
Content: Employee ID (exposed)
Content: Employee Name (exposed)
SORT CRITERIA
Add
Content: Employee ID (asc)
PAGE SETTINGS
Path: /tabemp
Menu: No menu
Access: Permission | View published content
HEADER
Add
total contents in this page are (total contents in this page are)
FOOTER
Add
NO RESULTS BEHAVIOR
Add
PAGER
Use pager: Mini | Mini pager, 10 items
More link: No
ADVANCED
Regular Expr....pdf
Introduction....pptx
MongoDB.pptx.pdf
MySql.pptx.pdf
Introducing P....pdf
Show all

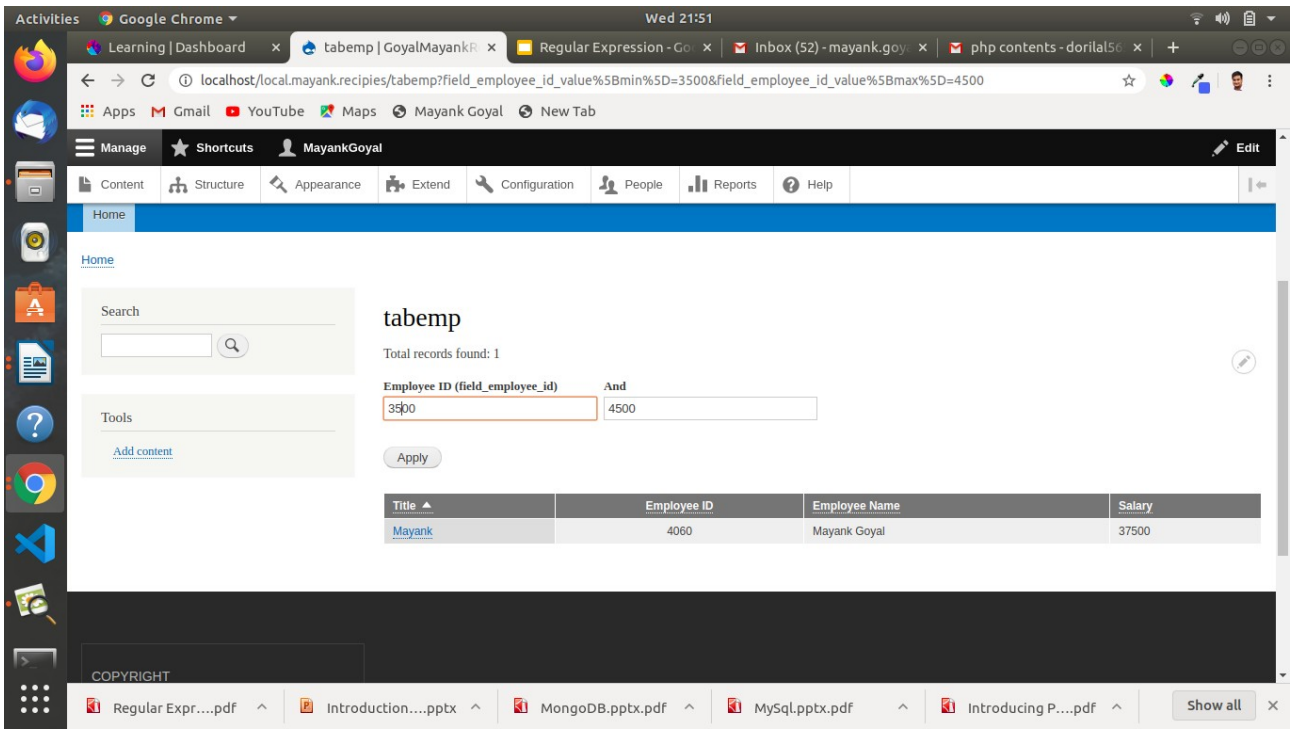

Activities
Google Chrome
Wed 21:44
Learning | Dashboard
tabemp (Content) | Goya
Regular Expression - Go
Inbox (52) - mayank.goya
php contents - dorilal56
localhost/local.mayank.recipies/admin/structure/views/view/tabemp?destination=/local.mayank.recipies/admin/structure/views
Apps
Gmail
YouTube
Maps
Mayank Goyal
New Tab
Back to site
Manage
Shortcuts
MayankGoyal
Tour
Configure filter criterion: Content: Employee Name (field_employee_name)
For
This page (override)
Label
Employee Name (field_employee_name)
Description
Operator
Is not empty (NOT NULL)
Expose operator
Allow the user to choose the operator.
Remember the last selection
Enable to remember the last selection made by the user.
Filter identifier
field_employee_name_value
This will appear in the URL after the ? to identify this filter. Cannot be blank. Only letters, digits and the dot (.), hyphen (-), underscore (_), and tilde (~) characters are allowed.
Apply (this display)
Cancel
Remove
Regular Expr....pdf
Introduction....pptx
MongoDB.pptx.pdf
MySql.pptx.pdf
Introducing P....pdf
Show all

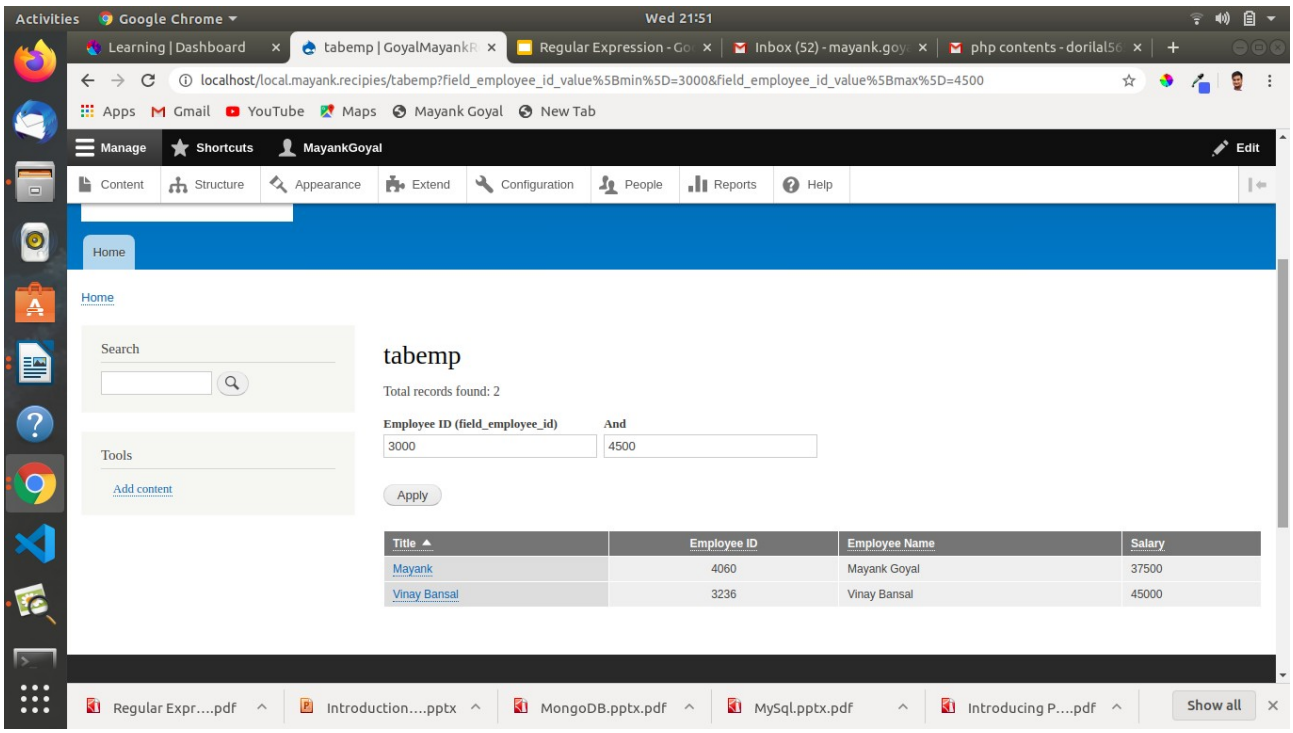




Now the page is ready to view

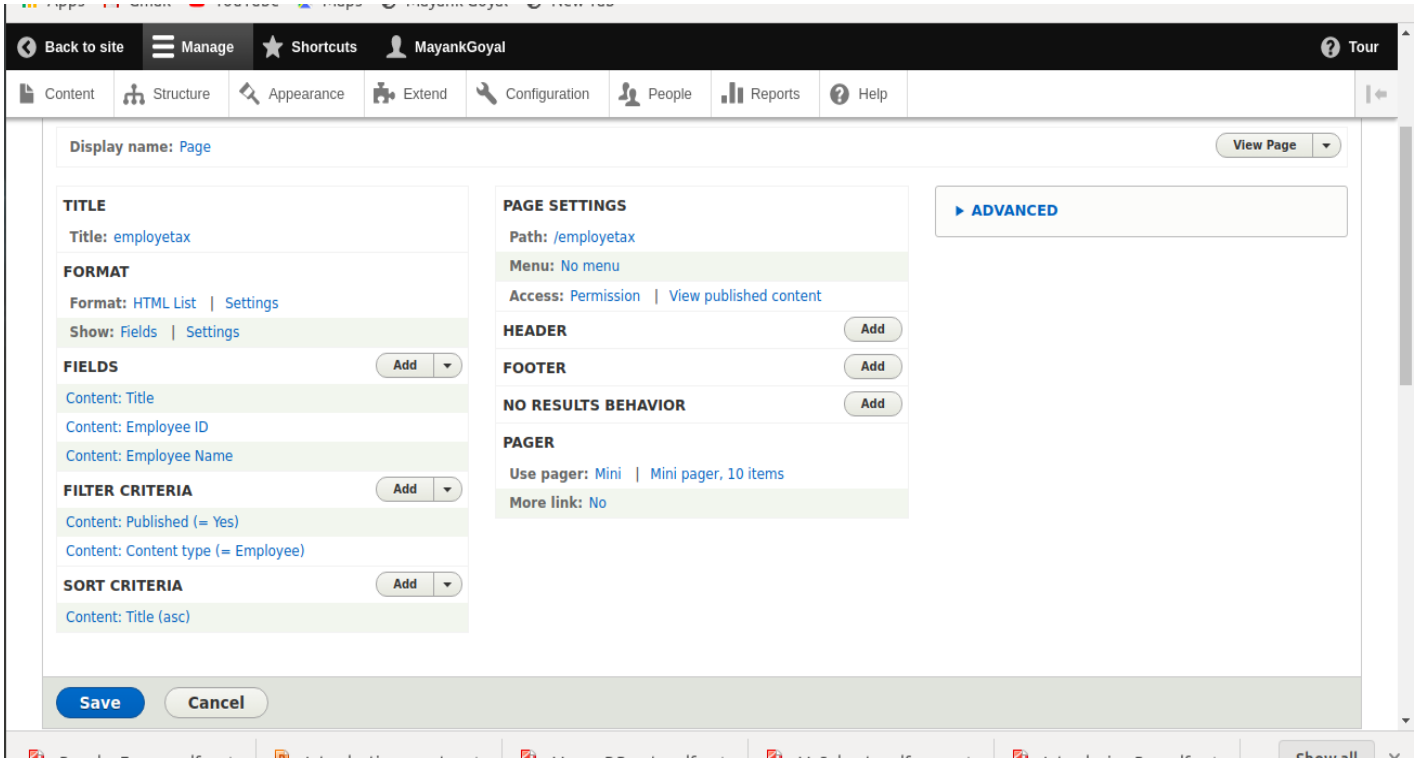

Activities
Google Chrome
Wed 21:50
Learning | Dashboard
tabemp | GoyalMayankR
Regular Expression - Go
Inbox (52) - mayank.goy
php contents - dorilal56
localhost/local.mayank.recipies/tabemp?field_employee_id_value%5Bmin%5D=2200&field_employee_id_value%5Bmax%5D=4000
Apps
Gmail
YouTube
Maps
Mayank Goyal
New Tab
Manage
Shortcuts
MayankGoyal
Edit
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Home
Home
Search
Tools
Add content
tabemp
Total records found: 1
Employee ID (field_employee_id)
And
2200
4000
Apply
Title
Employee ID
Employee Name
Salary
Vinay Bansal
3236
Vinay Bansal
45000
Regular Expr....pdf
Introduction....pptx
MongoDB.pptx.pdf
MySql.pptx.pdf
Introducing P....pdf
Show all

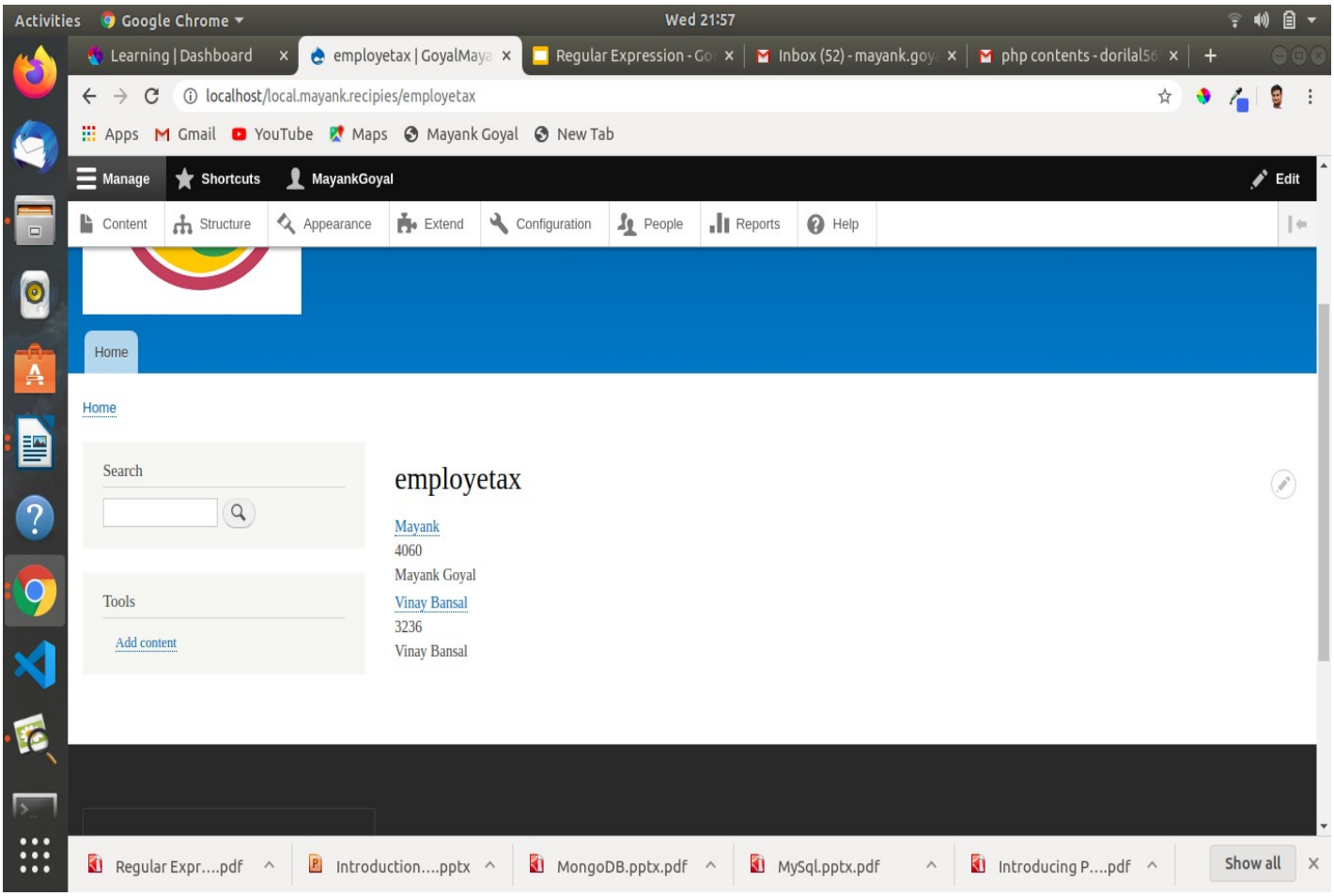

Activities
Google Chrome
Wed 21:51
Learning | Dashboard
tabemp | GoyalMayankR
Regular Expression - Go
Inbox (52) - mayank.goy
php contents - dorilal56
localhost/local.mayank.recipies/tabemp?field_employee_id_value%5Bmin%5D=3500&field_employee_id_value%5Bmax%5D=4500
Apps
Gmail
YouTube
Maps
Mayank Goyal
New Tab
Manage
Shortcuts
MayankGoyal
Edit
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Home
Home
Search
Tools
Add content
tabemp
Total records found: 1
Employee ID (field_employee_id)
And
3500
4500
Apply
Title
Employee ID
Employee Name
Salary
Mayank
4060
Mayank Goyal
37500
COPYRIGHT
Regular Expr....pdf
Introduction....pptx
MongoDB.pptx.pdf
MySql.pptx.pdf
Introducing P....pdf
Show all



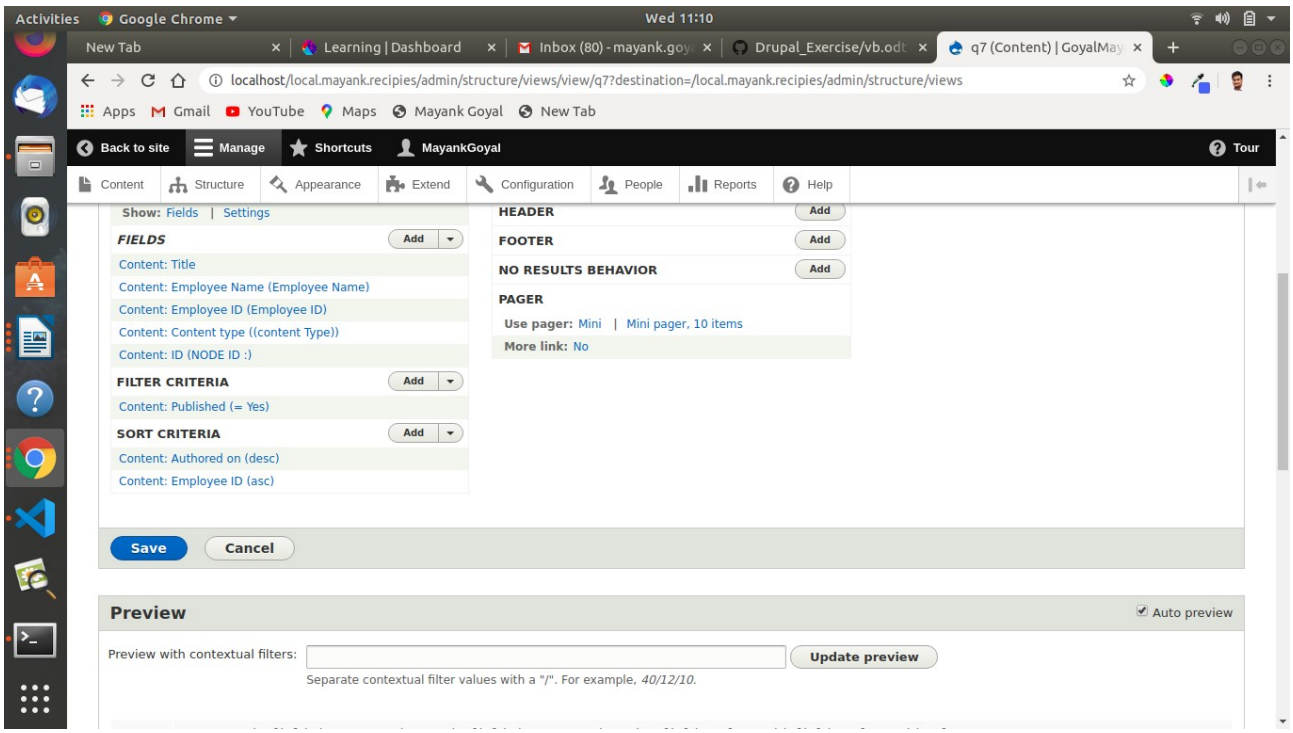
Ques 6-:Create a view to show the Employee details(name,id) in HTML List on the basis of competency(taxonomy term id)

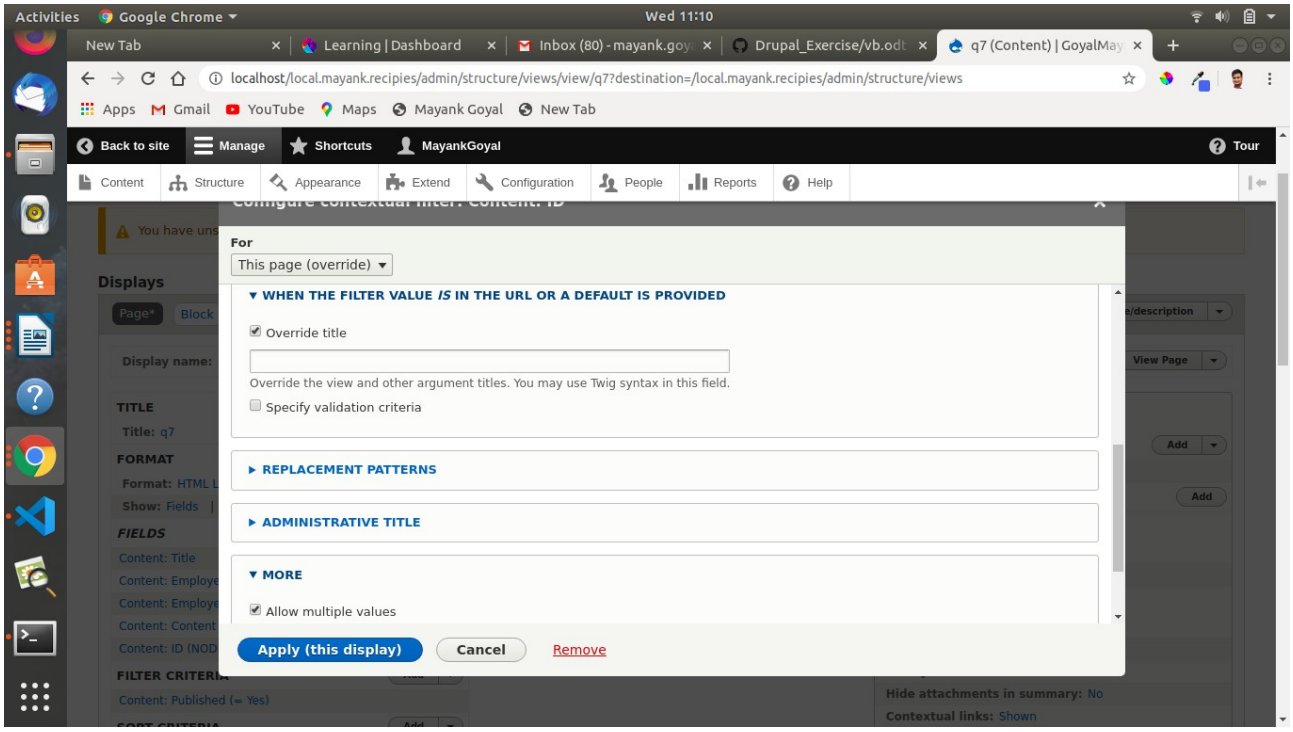
Soln :-

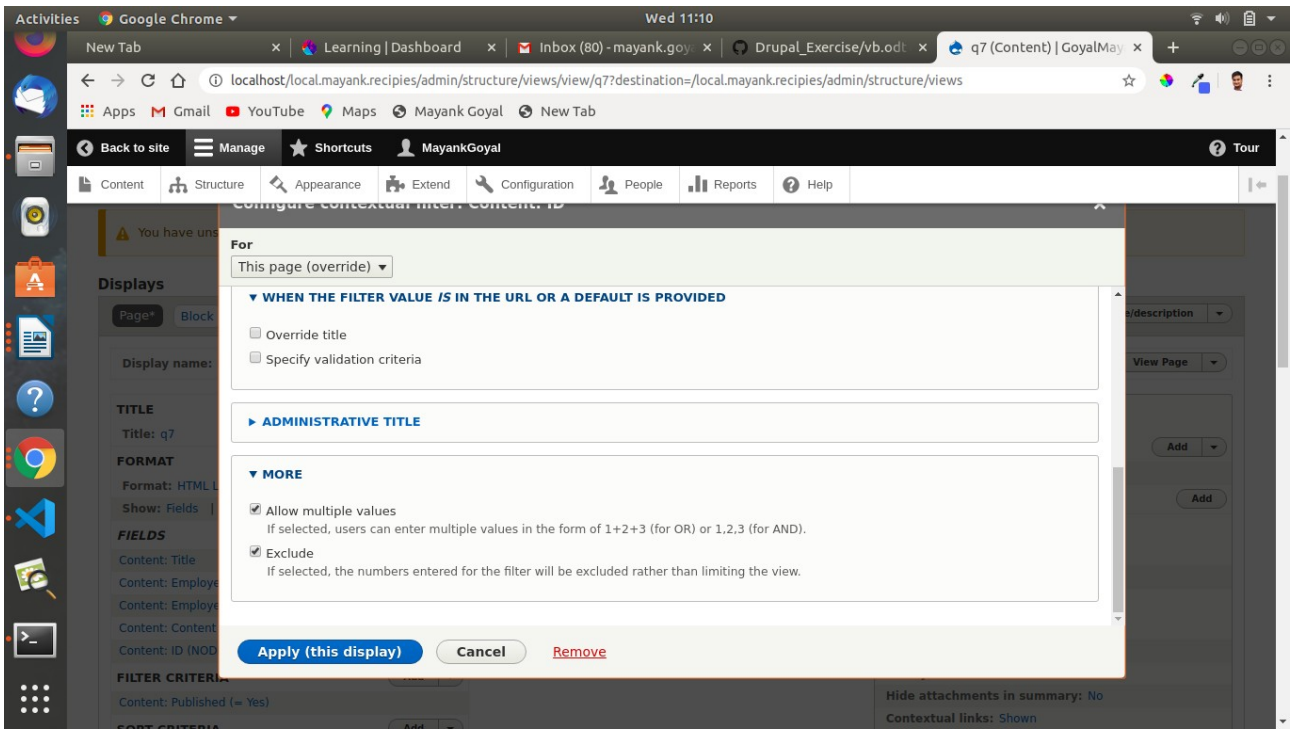




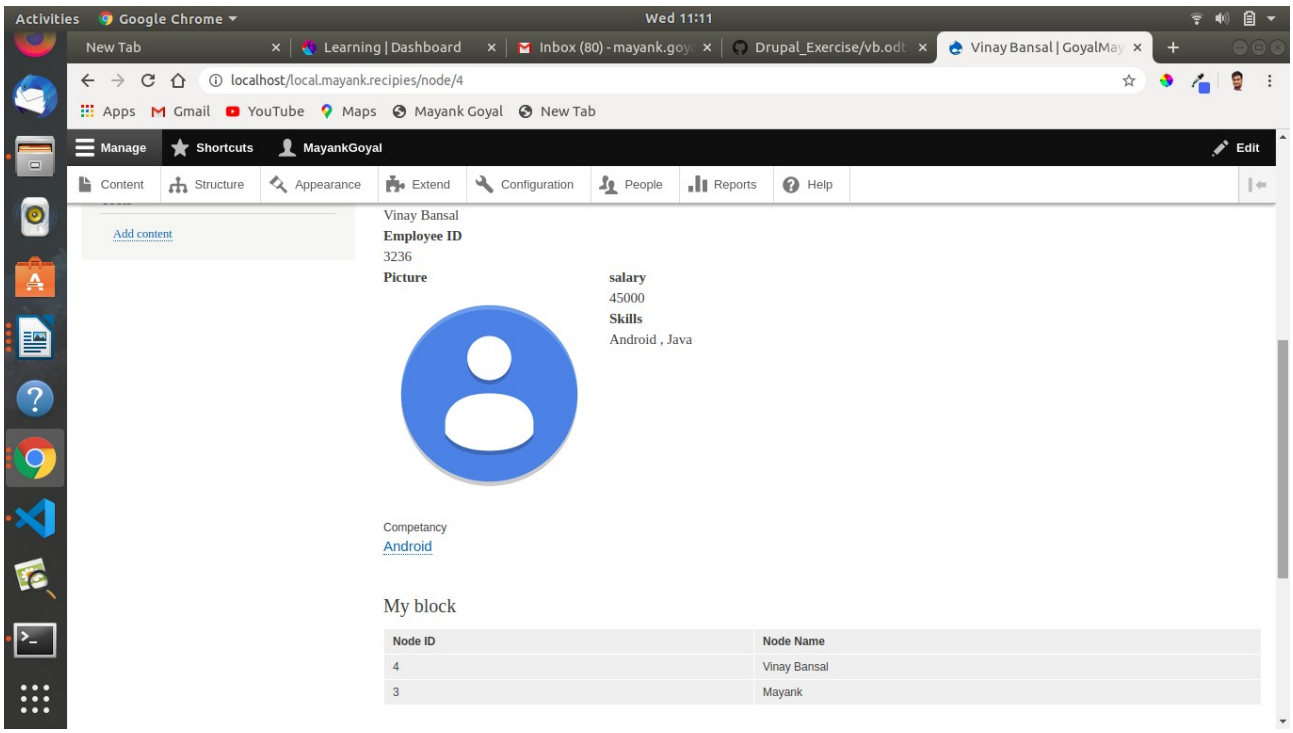
Ques 7 :- Create a view listing Employee name based on node id and show it on employee content type.
Note: The title(employee name) should be excluded in which the view is placed.


Activities
Google Chrome
Wed 11:10
New Tab
Learning | Dashboard
Inbox (80) - mayank.goy
Drupal_Exercise/vb.odt
q7 (Content) | GoyalMay
localhost/local.mayank.recipies/admin/structure/views/view/q7?destination=/local.mayank.recipies/admin/structure/views
Apps
Gmail
YouTube
Maps
Mayank Goyal
New Tab
Back to site
Manage
Shortcuts
MayankGoyal
Tour
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Show: Fields | Settings
FIELDS
Add
Content: Title
Content: Employee Name (Employee Name)
Content: Employee ID (Employee ID)
Content: Content type ((content Type))
Content: ID (NODE ID :)
FILTER CRITERIA
Content: Published (= Yes)
SORT CRITERIA
Content: Authored on (desc)
Content: Employee ID (asc)
HEADER
FOOTER
NO RESULTS BEHAVIOR
PAGER
Use pager: Mini | Mini pager, 10 items
More link: No
Save
Cancel
Preview
Auto preview
Preview with contextual filters:
Update preview
Separate contextual filter values with a "/". For example, 40/12/10.


Activities
Google Chrome
Wed 11:10
New Tab
Learning | Dashboard
Inbox (80) - mayank.goy
Drupal_Exercise/vb.odt
q7 (Content) | GoyalMay
localhost/local.mayank.recipies/admin/structure/views/view/q7?destination=/local.mayank.recipies/admin/structure/views
Apps
Gmail
YouTube
Maps
Mayank Goyal
New Tab
Back to site
Manage
Shortcuts
MayankGoyal
Tour
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
For
This page (override)
WHEN THE FILTER VALUE IS IN THE URL OR A DEFAULT IS PROVIDED
Override title
Override the view and other argument titles. You may use Twig syntax in this field.
Specify validation criteria
REPLACEMENT PATTERNS
ADMINISTRATIVE TITLE
MORE
Allow multiple values
Apply (this display)
Cancel
Remove



OUTPUT:-



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ques 8:-

soln: -

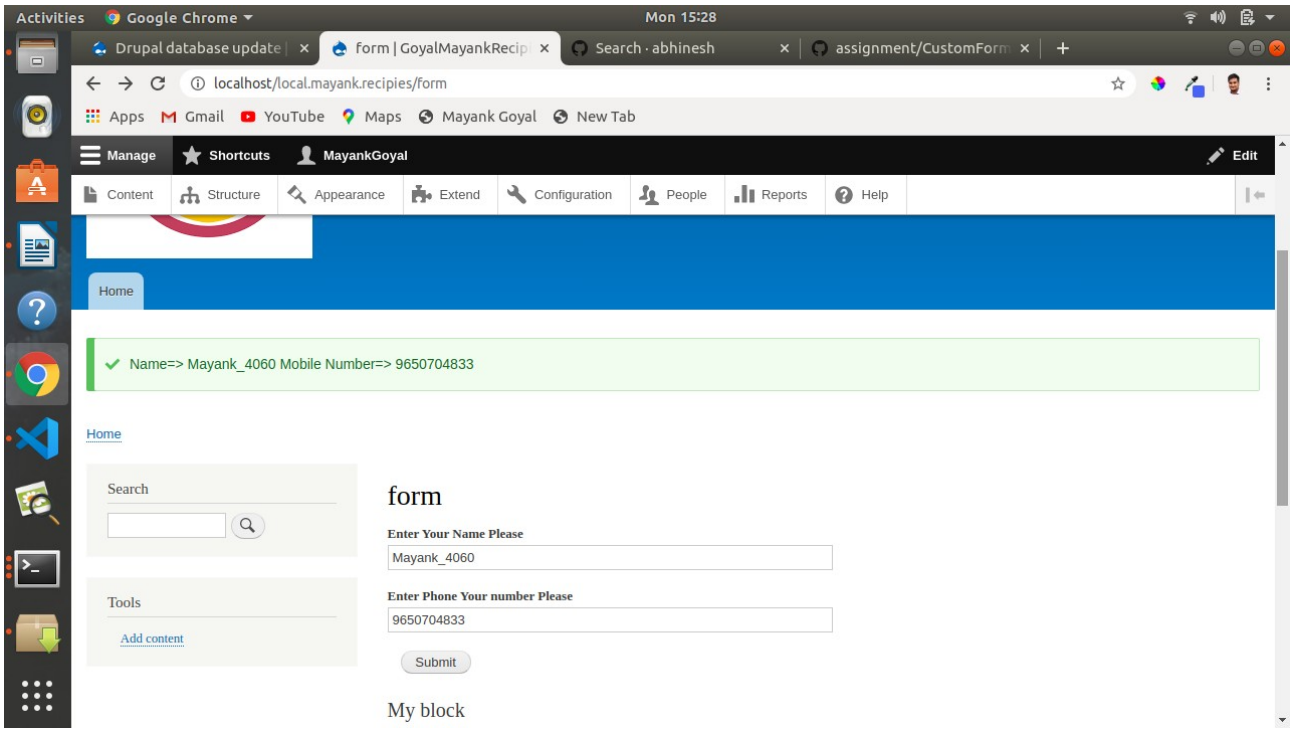
step1:- goto the modules >> custom
step 2:- create a folder named forms
step 3:- create the forms.info.yml file and add the following code :-

```
name: Forms
description: My Form
type: module
core: 8.x
```

step 4:- create the forms.routing.yml file and add the following code:-

```
custom_form.custom_form:
path: 'forms'
defaults:
_form: '\Drupal\forms\Forms\CustomForm'
_title: 'form'
requirements:
_permission: 'access content'
```

step 5 create the src folder and create a file named customForm.php and add the following code :-

```
<?php
namespace Drupal\form\Form;
use Drupal\Core\Form\FormBase;
use Drupal\Core\Form\FormStateInterface;
/**
* Our simple form class.
*/
class CustomForm extends FormBase {
/**
* {@inheritdoc}
*/
public function getFormId() {
return 'drupalup_simple_form';
}
/**
* {@inheritdoc}
*/
public function buildForm(array $form, FormStateInterface $form_state) {
$form['name'] = [
'#type' => 'textfield',
'#title' => $this->t('Enter Your Name Please'),
];
$form['phone'] = [
'#type' => 'textfield',
'#title' => $this->t('Enter Phone Your number Please'),
];
$form['submit'] = [
```

```
'#type' => 'submit',
'#value' => $this->t('Submit'),
];
return $form;
}
/**
* {@inheritdoc}
*/
public function submitForm(array &$form, FormStateInterface $form_state) {
drupal_set_message('Name=> '.$form_state->getValue('name').' Mobile Number=> '.
$form_state->getValue('phone'));
return [
'#type' => 'markup',
'#markup' => $form_state,
];
}
}
```