1. **How to make a product attribute to use in flat tables during indexing:**

Step 1- Create a product attribute through the script or from backend and Make the used\_in\_product\_listing attribute true of the attribute.

Step 2 - Go to Store=>Setting=>Configuration=>catalog then under Storefront group of it select yes of both below

option =>Use flat categories

Use flat catalog

Step3 - run the php bin/magento indexer:reindex command.

Step After complete the 3rd step you will see a column created in catalog\_product\_flat\_1 table whith name attribute code of first step

Means of 1 with post fix of catalog\_product\_flat\_1 :

1 you have 1 store if you have 2 store then there will be two table created with 1 post fix and 2 post fix.

**2)Configure CDN =>**

Step 1 => Go to store=>settings=>configuration=>general=>web

Step 2 =>Put the static view files url (<http://127.0.0.1/m26cdn/static/>)

And media files url http://127.0.0.1/m26cdn/media/

Note =>

1. When you run deploy command then you must copy all static files to cdn static folder.

2. When you upload any media then you must copy those media files to media folder

because magento will pickup all the things from cdn.

Now you can upload any media in cdn without upload to you magento directory then also it will work.

**3.Vault**

The Vault provides store customers with the ability to save credit cards in a PCI compliant

way. From a developers perspective, it provides a common set of functionality

around loading and saving sensitive credit card information.

**4) List of Folders which can contain template files?**

Theme =>templates

module name=>view/frontend/templates ,web/template,web/templates

module name =>view/base/templates base/web/templates

**5)Combination of block**

We can use same block for multiple template file event template file are same or different.

For be carefull block name must be different.

For example :

<block class="Ezest\Practice\Block\Index\CartItems" name="practice\_index\_index2" template="Ezest\_Practice::blocktest2.phtml">

</block>

<block class="Ezest\Practice\Block\Index\CartItems" name="practice\_index\_index3" template="Ezest\_Practice::blocktest.phtml">

</block>

<block class="Ezest\Practice\Block\Index\CartItems" name="practice\_index\_index4" template="Ezest\_Practice::blocktest.phtml">

</block>

<block class="Ezest\Practice\Block\Index\CartItems" name="practice\_index\_index5" template="Ezest\_Practice::blocktest.phtml">

**6) Static vs varchar**

**1 .** Static backend type is stored in parent table suppose you create attribute with backend type static then it’s value will be stored in parent table catalog\_product\_entity and varchar backend type attribute’s value will be stored in catalog\_product\_entity\_varchar table.

For more details please read this link : <https://magento.stackexchange.com/questions/246062/magento-2-attribute-backend-type-static-vs-varchar>

<https://inviqa.com/blog/eav-data-model>

**7)Different b/w production mode and developer mode :**

<https://magento.stackexchange.com/questions/138407/magento-2-what-are-difference-between-developer-and-production-mode>

<https://www.customerparadigm.com/difference-between-magento-2-modes/>

**8 ) Varnish cache:clean not working, what is the solution**

php bin/magento setup:config:set --http-cache-hosts=127.0.0.1

<https://magento.stackexchange.com/questions/182974/varnish-cache-cleaning-problem-purge-method-not-allowed>

**9)Upgrade step for magento2**

Upgrade Magento2

Step 1 => Backup your store

Step2 => Enable maintenance mode

php bin/magento maintenance:enable

Step3=>Composer requiere magento/product-community-edition 2.2.6 --no-update

After running above command the version of magento community edition from composer.json will be changed

Composer update

after running the above command magento will look into you composer.json and then it will upgrade based on your version mention in composer.jsm

Step4=>Flush cache

Step 5=>run php bin/magento setup:upgrade

Step 6=>run php bin/magento setup:di:compile php bin/magento indexer:reindex

Step 7=>php bin/magento maintenance:disable and php bin/magento –version

<https://www.mageplaza.com/devdocs/upgrade-magento-2.html>

**10)** To save category with the help of repository how will it done :

Step 1=>Inject a Magento\Catalog\Api\Data\CategoryInterfaceFactory $cainterface and

Inject Magento\Catalog\Api\CategoryRepositoryInterface $carepointerface

Step 2→ With the help of catinterface set categroy data like below

$category = $cainterface→create();

$category→setName();

$category→setParentId();

$category→setIsActive();

$category→setCustomAttribute([‘meta\_title’=>”Use for blog”,

‘meta\_description’=>’uset to display blog’,

‘description’=>’use to display all blog type category’,

‘meta\_keywords’

]);

Step → 3 In last step save category with the help of categroyrepositoryInterace like belwo :

$categoryRepoInterface = $catrepointerface→save($category );

**11) Get 5 products to use repository**

\Magento\Framework\Api\SearchcriteriaBuilder $searchcriteriaBuilder,

\Magento\Catalog\Api\ProductrepositoryInterface $productrepositoryInterface

$search = $this->\_searchCrieteriaBuilder->addFilter('price',array('gteq' => 100))->setPageSize(3)->create();

$serach2 = $search = $this->\_searchCrieteriaBuilder->create()->setPageSize(2);

$items = $this->\_productRepositoryInterface->getList($search)->getItems();

foreach($items as $item){

echo $item->getName();

echo '</br>';

}

**12)If we want to add any customer\_address entity attributes any want to add and edit it into customer edit page than steps required for it**Add attribute with customer\_address entity and update data in used in forms

'used\_in\_forms'=>['adminhtml\_customer\_address','customer\_address\_edit','customer\_register\_address']]); like above and check the customer\_form\_attribute table whith entry with 'adminhtml\_customer\_address','customer\_address\_edit','customer\_register\_address' corresponds created attribute id .

**13)We Want to check how many category name has "dress" string with their name how will it done.**

we can search it from catalog\_category\_entity\_varchar table

SELECT \*From catalog\_category\_entity\_varchar where attribute\_id = 45 and value like '%a%';

**14)We have a category attribute it is not saving it value in backend**

Check it is\_system value in eav\_attribute table must be 0

**15) Pattern to write viewModel for any block in layout.xml file**

<block name="product.promotions" template="AcmeWidgets\_

ProductPromoter::promotions.phtml">

<arguments>

<argument name="viewModel"

xsi:type="object">AcmeWidgets\ProductPromoter\Block\Promotions

</argument>

</arguments>

</block>

**Note : View model must implements \Magento\Framework\View\Element\Block\ArgumentInterface**

**16)Product base price is 100 and special price is 110 and tier price 2 qtyis 115 and catalog price rule adds 10 % discount -> 2 \* 100 \* 0.10**

Ans .90

Formula =>2 \* 100 \* 0.10

**17)How we can add new router structure other than current one**Ans . 1 . register your router in di xml plugin Magento\Framework\App\RouterList and add your custom class with class item name.

2. and impelments your custom class with \Magento\Framework\App\RouterInterface

write your code in match function.

**18)For response json which class should we use?.**

\Magento\Framework\Controller\Result\JsonFactory

**19)I am getting blank page after installing a one of module from where should I start debugging/we have intsall a module suddenly not able to view any page from where should we start**

**Magento\Backend\Controller\Adminhtml\Auth\Login.php**

**20)How would you design a customization that should act on every request and capture output**

**Data regardless of controller?.**

Create a event observer => controller\_action\_postdispatch

This event gives possibility to launch something before sending output (allow cookie setting)

Even observer => controller\_front\_send\_response\_before

**21)** **Want to create a drop down attribute for product which will be list all blocks in it how will it possible**

Create a attribute product attribute and add class in source model and list all static blocks into it.

22) **If a eav product attribute want comma seperated value and validate it use in proper how will it possible**

Use backend model to validate it

23)**How to set limited lenth for customer first name ?**

**For frontend :**

Override the Magento\Customer\templates\widget\name.phtml

and this classes (validate-length maximum-length-5 ) into first name section on line 62.

For ex =><input type="text" id="firstname" name="firstname" value="" title="First Name" class="input-text validate-length maximum-length-5 required-entry valid" data-validate="{required:true}" autocomplete="off" aria-required="true">

**For Backend :**

Override the base/ui\_component/customer\_form.xml and customer\_index\_edit.xml layout file in your module and add below validation to firstname section :

<settings>

<validation>

<rule name="required-entry" xsi:type="boolean">true</rule>

<rule name="max\_text\_length" xsi:type="number">5</rule>

</validation>

<dataType>text</dataType>

</settings>

For more validation have a look at this link : https://magento.stackexchange.com/questions/190699/ui-form-validation-in-magento-2

**24) How to add an extra column in sales\_order\_history grid in frontend in customer section?.**

Override the Magento\Sales\templates\order\history.phtml and add head and column in it.

**25)There is parent theme which has 3column layouts for customer dashboard**

**and there are two child theme for 1 theme want to 2column and 2nd theme want to 3 column how to make it possible.**

Override the Magento\Customer\layout\customer\_account\_index.xml in both child theme and then change the layout of it from this xml file ex

For one child theme :

customer\_account\_index.xml

layout="3columns"

For second child theme :

customer\_account\_index.xml

layout="2columns-right"

After that your both theme have different layout of customer dashboard.

**26)How to make an entity extensible which class should implements:**

Magento\Framework\Api\CustomAttributeDataInterface

**27)How to to display selected(child product) image of configurable product on cart page:**

Go to stores=>configuration=>sales=>checkout=>

Then go to it shopping cart group and then select **“product thumbnail itself “** from configurable product image drop down

**28)**