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">

**Ans => Multiple class, Multiple block instance, Multiple Template  
Permutation combination**

**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 );

**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 '%dress%';

**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)Want to display product brand on cart page under each item tell the process that how we will done this.**

To display brand logo on cart page:

**Step1** =>Create a (drop down) product eav attribute and populate it from brand collection with help of source model.

**Step2** =>Copy the catalog\_attributes.xml from magento\_sales model and paste in etc folder of any your custom module.

**Step3** =>add your attribute name in quote\_item group and remove other attribute except it from your custom module catalog\_attributes.xml because there is in magento\_sales moduel has catalog\_attributes.xml with same entry.you need to enter only your custom attribute while you override it.

**Step 4** => override this file ( Magento\Checkout\frontend\templates\cart\form.phtml) for brand logo column name and this file ( Magento\Checkout\frontend\templates\cart\item\default.phtml) for print attribute value.

For reffernce : **[https://magento.stackexchange.com/questions/183767/magento-2-display-attribute-on-cart-page/183879#183879](https://magento.stackexchange.com/questions/183767/magento-2-display-attribute-on-cart-page/183879" \l "183879)**

**29)A client have a bedding sets on your site that sells bed, pillows,sheets etc in different color**

**and size.They add altogether to cart and the quantity can be specified individually.**

**What type of product whould be here?**

**Bundle product** will work with above requirements we can create separate simple products and add all together in bundle products and user can add quantity according to him to each of those products.

30)How to change default order status after order place?

Through observer => sales\_order\_place\_after

**31)You have created a product drop down type attribute.Now I want to populate cms blocks in it.**

**How to do it.**

Use the source model property to populate cms blocks in attribute.use value as id and use name as title.

**32)How to load only five products those price between $5-$10.**

$this->\_searchCrieteriaBuilder = \Magento\Framework\Api\SearchcriteriaBuilder

$this->\_productRepository = \Magento\Catalog\Api\ProductRepositoryInterface

$searchCrieteriaFilter = $this->\_searchCrieteriaBuilder->addFilter('price',5,'gteq')->addFilter('price',10,'lteq')->setPageSize(5)->create();

$searchCrieteriaFilter = $this->\_searchCrieteriaBuilder->addFilter('price',5,'from')->addFilter('price',10,'to')->setPageSize(5)->create();

Result query of above both syntax :

query => WHERE ((at\_price.value >= 5)) AND ((at\_price.value <= 10))

$products = $this->\_productRepository->getList($searchCrieteriaFilter)->getItems();

**33)For a custom requiremet in your project you need to create a product attribute.this product attribute is linked to a third party vendor. Not all admin should view this attribute value when product accessed.how this can be implemented.**

With using exension attribute it can be implemented.

**34)In your project you have requirement ,you have product with url key as “Dress”,when you apply the filter the URL should change accordinally.**

**For Example =>**

**Suppose you select color as red,Size as XL. Then the final product URL should be dress-color-size-xl.which of the following file will you extend?**

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.

**35)If Magento setup in production mode then what is difference it from developer mode.**

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

**36)<router id="standard">**

**<route id="brand" frontName="brands">**

**<module name="Ezest\_Brand" />**

**</route>**

**</router>**

**Controller path directory mycompany/mymodule/controller/mymodule/index.php**

**Then what will be the layout file name.**

layout file name would be frontend “ **brand**\_mymodule\_index.xml”.

**37)How do you call same template file using layout for header and footer with differnt CSS.**

Using arguments

For Ex =>

<referenceContainer name="header-wrapper">

<block class="Ezest\Brand\Block\Index\Differentcss" name="headercss" template="Magento\_Theme::css\_test.phtml">

<arguments>

<argument name="css\_file\_name" xsi:type="string">header.css</argument>

</arguments>

</block>

</referenceContainer>

<referenceContainer name="footer">

<block class="Ezest\Brand\Block\Index\Differentcss" name="footercss" template="Magento\_Theme::css\_test.phtml">

<arguments>

<argument name="css\_file\_name" xsi:type="string">footer.css</argument>

</arguments>

</block>

</referenceContainer>

**In block class call this $this->getCssFileName(); function to get css file name or class name.**

**38)We would like to have an event which should observed when executing Admin and API where do the place the events.xml file**

* 1. 1. Admin
  2. 2. Adminhtml
  3. 3. Frontend
  4. 4. Global

4the option Global will be true.

**40)On product page Which price can display**

Base price

Special price

Tier price

Catalog price rule

Shopping price rule

41)**How to do customization to override frontend js file so that it will not hamper the Magento upgrade process**  
JS overwrite workflow

**42)If any custom module is dependent on core module than what configuration needs to be there into composer.json file**

use require node json

**43)What can be restricted using acl.xml?  
menu.xml, system.xml and extension\_attributes.xml,web api,soap api**

**44)How we can configure default values for system.xml file?**

**(config.xml)**

**45)How would you customize the “Order History” page?**Through sales\_order\_history.xml layout file

**46)How we can manipulate the html output of any block?**Either event 0r tohtml()

**47)How we can know the current page is rendered using which layout.xml file?**Body Class name ??

**48)We are having some fix classes and lazy loaded classes into dependency injection. Few uses very rarely. To avoid performance degrade what to use for lazy loaded classes?**

a. Object Manager

b. Virtualtype into di.xml

c.Proxy

Ans c.proxy

<https://webkul.com/blog/magento2-proxy-design-pattern-code-generation/>

**49)What happens if we have used cachable=false in block?** Find in DUMP and Study Guide

To create an uncacheable page, mark any block on that page as uncacheable in the layout using cacheable="false".

Only HTTP GET and HEAD requests are cacheable

if there will be varnish cache then varnish cache will not be cahe of all pages as vernish cache cache those pages if there is not any block cacheable false.

**50)Use of requirejs-config.js**

Find usage

[**https://magento.stackexchange.com/questions/148985/use-require-config-js-to-load-files-needed-on-all-pages**](https://magento.stackexchange.com/questions/148985/use-require-config-js-to-load-files-needed-on-all-pages)

**51)Category name will save into which table?**→catalog\_category\_entity\_varchar

**52)We want to change or alter value while we save product attribute. What property used for it?**

* 1. Source class
  2. Backend class

**c. Frontend class**

Read and do practice below link to understand source frontend and backend propery of product attribute:

[https://devdocs.magento.com/videos/fundamentals/add-new-product-attribute/#step-4-add-a-backend-model](https://devdocs.magento.com/videos/fundamentals/add-new-product-attribute/" \l "step-4-add-a-backend-model)

We can use backend class for this.

**52)Credit memo created into the third party ERP system and refund processed from it. Now when it callsMagento APIs and create credit memo into Magento system then what happens?**

Offline memo will created and stock quantity will be return.