Adobe Certified Expert (ACE) - Adobe Lightroom

1. Products may be accessed using SEO friendly URLs like /my-product instead of /catalog/product/view/id/{ID}
How is this one?

> A. An event observer adds RewriteRules to .htaccess on product save

> B. Magento\Catalog\Controller\Product\View::loadByUrlKey loads product pages using the url_key attribute value

> C. Using a URL Rewrite stored in the database connecting the request path with the target path

> D. A plugin on \Magento\UrlRewrite\Controller\Router::match loads products by the url_key attribute

Answer(s): C

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2. You are setting up a brand new Magento installation for a merchant who is migrating from Magento 1 to Magento 2.
Keeping in mind upgradability and the need to customize, which one do you choose?

> A. Create a new Magento instance using composer create-project

> B. Clone the magento/magento2 GitHub repository

> C. Run php bin/magento setup:migrate command

> D. Create a new Magento instance by using the bin/magento install command

Answer(s): A

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3. How many shipping addresses may be selected for an order during the checkout process?

> A. One shipping address per line item is possible

> B. Only one shipping address per order is possible

C. One shipping addresses per unit of quantity is possible

D. One shipping address per product type is possible

Answer(s): B

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4. You have created a new section in system configuration under the Catalog tab:

```
<section id="mysection" translate="label" sortOrder="90" showInDefault="1" showInWebsite="1"
showInStore="1">
    <label>My Section</label>
    <tab>catalog</tab>
    ...
</section>
```

How do you restrict an access to the section using Magento ACL?

A
```
In the system.xml file add resource node:
<section id="mysection" translate="label" sortOrder="90" showInDefault="1" showInWebsite="1"
showInStore="1">
    <label>My Section</label>
    <tab>catalog</tab>
    <resource>MyCompany_MyModule::mysection</resource>
    ...
</section>
```

B
```
In the file etc/acl.xml create a resource entry:
 Magento_Backend::admin > Magento_Backend::stores >
     Magento_Backend::stores_settings > Magento_Config::mysection
```

C
```
In the etc/adminhtml/routes.xml add:
    <router id="admin">
        <route id="catalog" frontName="mysection">
            <module name="MyCompany_MyModule" before="Magento_Backend" />
            <resource>MyCompany_MyModule::mysection</resource>
        </route>
    </router>
```

D
```
In the etc/adminhtml/menu.xml specify:
<add id="MyCompany_MyModule::mysection" title="My Section" translate="title"
    module="MyCompany_MyModule" sortOrder="10"
    parent="Magento_Config::stores_settings"
    action="system_config/edit/section/mysection/"
    resource="MyCompany_MyModule::mysection"
/>
```

A. Option A

B. Option B

C. Option C

D. Option D

Answer(s): B

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5. A module you are working on needs to send a newsletter to all subscribed customers at predefined intervals.
Which two actions do you take to make sure the newsletter is sent? (Choose two.)

☐ A. Implement \MyCompany\MyModule\Cron\NewsLetterSender::execute and register it in etc/crontab/di.xml

☐ B. Implement \MyCompany\MyModule\Cron\NewsLetterSender::execute and register it in etc/crontab/.xml

☐ C. Make sure bin/magento cron:run is added to the system crontab

☐ D. Register the plugin for \Magento\Customer\Model\Customer::authenticate in etc/crontab.xml

Answer(s): B C

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6. What is the connection between product attribute sets and categories?

A. Categories have no connection to product attribute sets, and any product can be assigned to any category

B. Each category is linked to a single product attribute set, and only products from that attribute set are allowed in the category

C. Each category is linked to a single product attribute set, and only products from that category's set or any of its parent categories'

D. Categories can be connected to multiple product attribute sets, and only products from one of those sets are allowed in the category

Answer(s): A

7. How can you access the select query of a collection?

> A. You can only access the select query after the collection has been loaded by calling the public method query()

> B. It is stored in a protected variable $query and can only be accessed from the inside of a collection class

> C. You can get it by using public method getSelect() which returns an instance of Magento\Framework\DB\Select

> D. The select query is not available in the collection class, it will be generated by the MySQL adapter right before executing a query

Answer(s): C

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8. You are developing a module MyCompany_StoreInfo to display information about brick and mortar stores on a frontend page. The displayed information varies based on the country of a given store. What two elements automatically render their children? (Choose two.)

> ☐ A.

> ☐ B.

> ☐ C.

> ☐ D.

Answer(s): C D

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9. Assume that $collection is a new instance of a class that extends Magento\Framework\Model\ResourceModel\Db\Collection\AbstractCollection, and $ids is an array of ids. How do you select a list of records from the database where the record ids are in the $ids list?

A $collection->addFieldToFilter('record_id',['in'=>$ids]);

B
```
$collection->addFilter($filterBuilder
        ->setType('in')
        ->setValue($ids)
        ->create()
);
where $filterBuilder is an instance of a \Magento\Framework\Api\FilterBuilder class.
```

C $collection->in($ids);

D $collection->filterIn($ids);

A. Option A

B. Option B

C. Option C

D. Option D

Answer(s): A

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10. While reviewing a layout file named sales_order_view.xml you notice the element

What is the purpose of this element?

A. Replaces the customer_account handle with sales_order_view

B. Nothing, this element has been deprecated

C. Adds the customer_account handle to the page's handles list

D. Updates the current page handle to customer_account

Answer(s): C

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11. You have to install a new module on the production environment. All the module is adding a new product attribute. You enabled maintenance mode, copied the module code, run bin/magento setup:upgrade and disabled maintenance mode.
What two risks does this process pose? (Choose two.)

☐ A. It will clean all caches which will cause a performance degradation

☐ B. The new attribute will be invisible on the storefront until the cache is cleaned manually

☐ C. It will void all active sessions

☐ D. It will clean static assets from the pub/static folder

Answer(s): B C

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12. Magento 2's architecture uses code to bootstrap a custom module that resides in app/code.
What two files are required to make a module usable? (Choose two.)

☐ A. Helper/Data.php

☐ B. etc/config.xml

☐ C. etc/module.xml

☐ D. registration.php

Answer(s): C D

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13. How does Magento store customer address attribute values?

A. Customer address is a flat entity, so all values are stored in the customer_address_entity table

B. Customer address is not an entity, so its properties are customer attributes

C. Customer address is an attribute of the customer, so it doesn't have its own attributes

D. Customer address is an EAV entity, so all values are stored in the customer_address_entity table and related values tables

Answer(s): D

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14. You are developing a module and need to add another column to a table introduced by another module MyCompany_MyModule via db schema.
How do you do that?

A. Create a etc/db_schema.xml file in your module, add the column and run bin/magento setup:upgrade

B. Create a etc/db.xml file in your module, add the column and run bin/magento setup:db- schema:upgrade

C. Run a command: bin/magento setup:db-schema:upgrade

D. Create a etc/db_schema_whitelist.json file in your module, add the column and run bin/magento setup:upgrade

Answer(s): A

15. You need to add a new text attribute to all products in the Magento store.
When this attribute is displayed on the product page, its values must be different depending on the selected language. Keeping simplicity in mind, how do you add this attribute?

> A. Use the Magento CLI to create a new custom attribute, then generate dictionaries for all supported languages

> B. Use a Data Patch to create a new EAV attribute

> C. Add a new column to the catalog_product_entity table using declarative schema

> D. Use the admin panel to create a new extension attribute

Answer(s): D

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16. A third-party module uses a layout update that changes the template path for a core block from product/view/addto/compare.phtml of the Magento_Catalog module to custom/view/addto/compare.phtml of your custom module. The merchant has a customized version of this template in their custom theme. What is a consequence of this setup?

> A. If the custom module is removed, the custom template will no longer apply

> B. This setup will throw an IllegalStateException

> C. If a preference for the core block is set, the template will no longer apply

> D. If another module is installed which also customizes the same core template, the templates will be rendered sequentially

Answer(s): A

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17. You are adding a child node to the product.info block using the XML:

```
<referenceBlock name="product.info">
    <block class="MyCompany\MyModule\Block\Custom"
            name="myblock"
            as="mynewblock"
            template="custom.phtml"/>
</referenceBlock>
```

How will this block be rendered?

> A. Child block nodes are automatically rendered as HTML

> B. By calling $block->getChildHtml(`mynewblock') in the parent block's template

C. The layout is invalid since block elements cannot be nested

D. Automatically if the block class Custom implements the _toHtml method

Answer(s): B

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18. You are implementing a before plugin in MyCompany_Magic. It will intercept the same method that MyCompany_Admission is already intercepting using a before plugin: Topmenu::getBlockHtml Which two actions are required to ensure the new plugin will execute last? (Choose two.)

☐ A. Include a sortOrder="20" on the new plugin in MyCompany_Magic's etc/di.xml file

☐ B. Configure plugin sequencing for both plugins in MyCompany_Magic's etc/plugin_sequence.xml file

☐ C. Set a sortOrder="10" for MyCompany_Admission's plugin in MyCompany_Magic's etc/di.xml

☐ D. Add MyCompany_Admission as a dependency in MyCompany_Magic's etc/module.xml file

Answer(s): A C

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19. In the module located at app/code/MyCompany/MyModule there is a JS module in the file view/frontend/web/register.js. The Magento base URL is https://magento.host/ and the luma theme with the en_US locate is used.
What is the public URL for this file?

A. https://magento.host/pub/static/frontend//Magento/luma/en_US/MyCompany_MyModule/js/regis ter.js

B. https://magento.host/pub/static/frontend/Magento/luma/en_US/MyCompany_MyModule/register.js

C. https://magento.host/pub/static/frontend/Magento/luma/en_US/MyCompany_MyModule/web/re gister.js

D. https://magento.host/app/code/MyCompany_MyModule/view/frontend/web/register.js

Answer(s): A

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20. During a code review of a module MyCompany_PaymentCurrencies you see a configuration field declared in the file etc/adminhtml/system.xml:

```
<field id="currency" type="select" showInDefault="1" showInWebsite="1" showInStore="0">
    ...
</field>
```

What is the consequence of the attribute showInStore being set to 0?

A. The field value will not be accessible on the store front by calling ScopeConfigInterface::getValue() with a $scopeType argument of `store'.

B. The input field will not be visible if a store view scope is selected in the system configuration

C. The input field will only be visible if a website's default store scope is selected in the system configuration

D. The input field will be disabled if a store view scope is selected in the system configuration

Answer(s): B