**Interview Question**

There are following question and answer for magento 2 interview

**Practically Solved Feature:**

**1**. Dependency Injection.

<https://techflarestudio.com/how-to-replace-and-add-constructor-arguments-using-dependency-injection-in-magento-2/>

Today

Non injectable classes

Injectable classes

Preferences

Type of product

Product Tier Price

Product Advance Price

Type of session in Magento 2

How to create custom theme in magentoo 2

Repository classes in magento 2

Product tier prices

Different store and And website

Magento2 Service Contract

<https://webkul.com/blog/magento2-service-contract/>

Extension attribute

Proxy classes

Graph ql

Order api

How to upgrade magento 2

Function overriding

Order status flow

Type of entity **Done**

Type or preferences **Done**

How to upgrade Magento 2 to Magento latest version **Done**

EAV module structure **Done**

Full Page Cache in Magento 2? **Done**

Dependency injection **Done**

use of factory classes **Done**

extension attribute

Graphql or rest api

how to call static block

catalog price rules and cart price rules **Done**

how to call js and add in custom module

petch file

when we run indexing or what table are updated

Rest API

Type of join **Pending**

Differences between delete or truncate in Mysql

Version control

Git slap

Type hinting

Mysql limit

Mysql opset

Fetch top 5 record from mysql table

Fetch 10 to 15 record from mysql table

Mysql boundary

Mysql indexing

view in mysql

ASL in magento 2

Use of reddish and vernsh

Improve performance of magento

Graphql query::

Git stash

Dependency injection **Done**

CDN in magento 2

Service contract

Resource model and model

Core php concept and php opps

Upgradedata.php and installschema.php

Directschema.xml

Require file for module creation **Done**

Type of cache in magento 2 **Done**

Which table save the attribute value in database for product entity

Varnish and radish cache

Payment module creation (security needed)

Virtual type in di.xml file and section.xml **Done**

Designer pattern and composer.json and composer.lock file

Use of autoload file

Plugin and proxy classe

Cart price rules and catalog price rules **Done**

Rail manager

Primary and unique key

Class, construct, opps concept

Pre Built function in php

CDN construct **Done**

UI component

Require js and reindexer **Done**

Upgrade and install schema and script all file

Direct schema file and use

Require file for module **Done**

Type of cache **Done**

Select attribute of product which table saves ?

Extension attribute

EAV Module **Done**

View model

Abstract class Done

**Here we create Collection Grid , edit/add grid row and installer in Magento2:**

[**https://webkul.com/blog/create-collection-grid-editadd-grid-row-installer-magento2/**](https://webkul.com/blog/create-collection-grid-editadd-grid-row-installer-magento2/)

**Magento Session:**

**Magento Session:**

[**https://meetanshi.com/blog/get-set-and-unset-custom-session-variable-in-magento-2/**](https://meetanshi.com/blog/get-set-and-unset-custom-session-variable-in-magento-2/)

[**https://meetanshi.com/blog/get-set-and-unset-custom-session-variable-in-magento-2/**](https://meetanshi.com/blog/get-set-and-unset-custom-session-variable-in-magento-2/)

**Custom Theme in Magento2:**

[**https://webkul.com/blog/custom-theme-in-magento2/**](https://webkul.com/blog/custom-theme-in-magento2/)

[**https://www.thecoachsmb.com/theme-development-tutorial-step-by-step/**](https://www.thecoachsmb.com/theme-development-tutorial-step-by-step/)

**How to override core class which is already overrided by other custom module in Magento 2**

[**https://magento.stackexchange.com/questions/136852/how-to-override-core-class-which-is-already-overrided-by-other-custom-module-in**](https://magento.stackexchange.com/questions/136852/how-to-override-core-class-which-is-already-overrided-by-other-custom-module-in)

**How to get the collection of a custom module in Magento 2?**

[**https://vrajeshpatel.in/2021/06/13/how-to-get-the-collection-of-a-custom-module-in-magento-2/**](https://vrajeshpatel.in/2021/06/13/how-to-get-the-collection-of-a-custom-module-in-magento-2/)

**Magento Session:**

**Magento 2 Repository (Repositories in Magento 2):**

[**https://webkul.com/blog/create-repositories-magento2/**](https://webkul.com/blog/create-repositories-magento2/)

[**https://magento.stackexchange.com/questions/158081/when-should-we-use-a-repository-and-factory-in-magento-2**](https://magento.stackexchange.com/questions/158081/when-should-we-use-a-repository-and-factory-in-magento-2)

**Magento\Customer\Model\Session**

**Magento\Checkout\Model\Session**

**How to Get, Set and Unset Custom Session Variable in Magento 2**

[**https://meetanshi.com/blog/get-set-and-unset-custom-session-variable-in-magento-2/**](https://meetanshi.com/blog/get-set-and-unset-custom-session-variable-in-magento-2/)

**Registry & Register:**

[**https://www.rohanhapani.com/how-to-use-viewmodel-in-magento-2/**](https://www.rohanhapani.com/how-to-use-viewmodel-in-magento-2/)

[**https://aureatelabs.com/blog/how-to-use-viewmodels-in-magento-2/**](https://aureatelabs.com/blog/how-to-use-viewmodels-in-magento-2/)

[**https://devhooks.in/blog/how-to-use-viewmodels-in-magento2**](https://devhooks.in/blog/how-to-use-viewmodels-in-magento2)

**Registry & Register::**

[**https://magefan.com/blog/magento-2-registry-register**](https://magefan.com/blog/magento-2-registry-register)

[**https://meetanshi.com/blog/use-registry-in-magento-2/**](https://meetanshi.com/blog/use-registry-in-magento-2/)

**Magento Virtual Type & Type :**

[**https://magefan.com/blog/magento-2-virtual-types**](https://magefan.com/blog/magento-2-virtual-types)

[**https://www.codedecorator.com/blog/what-is-the-difference-between-type-and-virtualtype-practical-example/**](https://www.codedecorator.com/blog/what-is-the-difference-between-type-and-virtualtype-practical-example/)

[**https://asolutions.co.in/virtual-type-in-magento-2/**](https://asolutions.co.in/virtual-type-in-magento-2/)

[**https://techflarestudio.com/how-to-replace-and-add-constructor-arguments-using-dependency-injection-in-magento-2/**](https://techflarestudio.com/how-to-replace-and-add-constructor-arguments-using-dependency-injection-in-magento-2/)

[**https://www.codedecorator.com/blog/what-is-the-difference-between-type-and-virtualtype-practical-example/**](https://www.codedecorator.com/blog/what-is-the-difference-between-type-and-virtualtype-practical-example/)

[**https://www.codedecorator.com/blog/what-is-the-difference-between-type-and-virtualtype-practical-example/**](https://www.codedecorator.com/blog/what-is-the-difference-between-type-and-virtualtype-practical-example/)

**Magento 2 Preferences:**

[https://magefan.com/blog/magento-2-preferences#:~:text=Magento%202%20Preferences%20is%20used,PHP%20classes%20and%20their%20methods](https://magefan.com/blog/magento-2-preferences" \l ":~:text=Magento 2 Preferences is used,PHP classes and their methods).

**Magento 2 Preferences**

**[https://magefan.com/blog/magento-2-preferences#:~:text=Magento%202%20Preferences%20is%20used,PHP%20classes%20and%20their%20methods](https://magefan.com/blog/magento-2-preferences" \l ":~:text=Magento 2 Preferences is used,PHP classes and their methods).**

**Magento 2 Object Manager**

[**https://magefan.com/blog/magento-2-object-manager**](https://magefan.com/blog/magento-2-object-manager)

**Magento 2 Requirejs config**

[**https://www.rakeshjesadiya.com/require-js-config-map-vs-paths-vs-shim-in-magento/**](https://www.rakeshjesadiya.com/require-js-config-map-vs-paths-vs-shim-in-magento/)

[**https://www.rakeshjesadiya.com/require-js-config-map-vs-paths-vs-shim-in-magento/**](https://www.rakeshjesadiya.com/require-js-config-map-vs-paths-vs-shim-in-magento/)

**[https://webkul.com/blog/include-use-custom-js-file-require-js-magento2/#:~:text=To%20add%20a%20js%20file,Test%2Fview%2Ffrontend%E2%80%9D](https://webkul.com/blog/include-use-custom-js-file-require-js-magento2/" \l ":~:text=To add a js file,Test%2Fview%2Ffrontend”).**

**CDN in 2 Magento 2**

**[https://amasty.com/knowledge-base/how-to-configure-the-cdn-in-magento-2.html#:~:text=Content%20Delivery%20Network%20or%20CDN,CDN%20into%20your%20Magento%202](https://amasty.com/knowledge-base/how-to-configure-the-cdn-in-magento-2.html" \l ":~:text=Content Delivery Network or CDN,CDN into your Magento 2).**

**Rest API in 2 Magento 2**

[**https://meetanshi.com/blog/create-custom-rest-api-in-magento-2/**](https://meetanshi.com/blog/create-custom-rest-api-in-magento-2/)

**Mode in 2 Magento 2**

<https://magefan.com/blog/magento-2-modes>

**Magento 2 EAV Model**

[**https://bsscommerce.com/confluence/magento-2-eav-model/**](https://bsscommerce.com/confluence/magento-2-eav-model/)

[**https://www.onlineinterviewquestions.com/differences-eav-flat-model/**](https://www.onlineinterviewquestions.com/differences-eav-flat-model/)

**Dependency Injection:**

<https://www.cloudways.com/blog/dependency-injection-magento-2/>

<https://www.sparsh-technologies.com/blog/dependency-injection-in-magento-2>

<https://www.sparsh-technologies.com/blog/dependency-injection-in-magento-2>

**Type Of Plugin In Magento 2:**

[**https://magefan.com/blog/create-plugin-in-magento-2**](https://magefan.com/blog/create-plugin-in-magento-2)

<https://devdocs.magento.com/guides/v2.3/extension-dev-guide/plugins.html>

**Magento 2 Full Page cache:**

<https://magefan.com/blog/magento-2-full-page-cache>

**How to create a “HELLO WORLD” module in Magento 2?**

<https://www.codilar.com/blog/how-to-create-a-hello-world-module-in-magento-2/>

**Magento 2: Models, Resource Models, and Collections**

<https://www.codilar.com/blog/magento-2-models-resource-models-and-collections/>

**What are Setup Scripts in Magento 2 and why you should use them**

<https://www.codilar.com/blog/setup_scripts_magento-2/>

**Second Round Interview::**

UI Component

How UI component work

How upgrade Magento

How Binding table for UI component

Order table or data table

Type of mode

Magento Database for order

Why we use the elastic search in magento 2

**Create Magento 2 Console command:**

[**https://devhooks.in/blog/magento-2-how-to-create-a-custom-console-command**](https://devhooks.in/blog/magento-2-how-to-create-a-custom-console-command)

[**https://www.magedelight.com/resources/how-to-create-new-command-in-console-cli-in-magento-2/**](https://www.magedelight.com/resources/how-to-create-new-command-in-console-cli-in-magento-2/)

[**https://www.codextblog.com/magento-2/how-to-create-a-custom-console-command-in-magento-2/**](https://www.codextblog.com/magento-2/how-to-create-a-custom-console-command-in-magento-2/)

[**https://meetanshi.com/blog/create-console-command-in-magento-2/**](https://meetanshi.com/blog/create-console-command-in-magento-2/)

[**https://www.magedelight.com/resources/how-to-create-new-command-in-console-cli-in-magento-2/**](https://www.magedelight.com/resources/how-to-create-new-command-in-console-cli-in-magento-2/)

**Abstract class**

<https://www.phpclasses.org/blog/post/285-What-is-Class-Abstraction-in-PHP.html>

**Magic Method**

<https://www.edureka.co/blog/magic-methods-in-php>

<https://www.edureka.co/blog/magic-methods-in-php>

Static method of:

https://www.geeksforgeeks.org/static-function-in-php/

extension-attributes

https://www.dckap.com/blog/extension-attributes-in-magento2/

php tutorial:

https://www.youtube.com/watch?v=a\_qREkJ78f4&list=PL0b6OzIxLPbyrzCMJOFzLnf\_-\_5E\_dkzs

<https://www.youtube.com/watch?v=V9c2M7c5xqU&list=PL0b6OzIxLPbyrzCMJOFzLnf_-_5E_dkzs&index=4>

**Catalog Price Rules:**

Catalog Price Rules represent promotions on category or product pages and

Catalog price rules do not use coupon codes.

**Cart Price Rule:**

applies promotions to the Cart in the Checkout phase. Offers like coupon code, free shipping, discounts in order total, buy 1 get 1 free, etc., are examples of Cart Price Rule.

Cart price rules create discounts for orders at the checkout level, based on a set of conditions. The discount can be applied automatically when the conditions are met, or be applied when the customer enters a valid coupon code. At the point when applied, the discount shows up on the shopping cart page under the subtotal.

**We can add catalog price rules under Marketing > Promotions > Catalog price rule.**

**The PHP Object-Oriented Programming concepts are following given below.:**

[**https://www.valuebound.com/resources/blog/object-oriented-programming-concepts-php-part-1**](https://www.valuebound.com/resources/blog/object-oriented-programming-concepts-php-part-1)

1.Class

2. Objects

3. Inheritance

4. Interface

5. Abstraction

6. Magic Methods

**Magento 2 Design pattern for developer point of view given below:**

[**https://bsscommerce.com/confluence/magento-2-design-patterns/**](https://bsscommerce.com/confluence/magento-2-design-patterns/)

1. **Object Manager**
2. **Dependency Injection**
3. **Factories**
4. **Proxies**
5. **Preferences**
6. **Argument Types**
7. **Virtual Types**
8. **Events and observers**

**Factory Design Pattern:**

**[https://magento.stackexchange.com/questions/250723/what-is-factory-in-magento2-and-why-use#:~:text=In%20Magento%202%2C%20the%20Magento,instead%20of%20using%20new%20keyword](https://magento.stackexchange.com/questions/250723/what-is-factory-in-magento2-and-why-use" \l ":~:text=In Magento 2%2C the Magento,instead of using new keyword).**

The Factory class name is the name of Model class and append with the Factory word. It also dependent with ObjectManager Class.

This design pattern is used to create objects for all the classes instead of using new keywords.

**What is Difference b/w Normal Object And Factory Object**

### Key Differences

| Feature | Normal Object | Factory Object |
| --- | --- | --- |
| Instantiation | Created directly or injected | Created by the Factory class |
| Lifetime | Often single instance per class | Can create multiple, unique instances as needed |
| Dependency Mgmt | Static and injected directly | Dynamic, created on demand |
| Best For | Fixed dependencies | Dynamic or multiple instances |

**Speed Up Magento 2 (Improve The Performance) :**

**[https://magefan.com/blog/speed-up-magento-2#1-update-to-the-latest-version-of-magento](https://magefan.com/blog/speed-up-magento-2" \l "1-update-to-the-latest-version-of-magento)**