**Overriding Block**

**Lets Override Catalog Product ListProduct Block.**

#1 – First of all create di.xml file in Folder Training/Overriding/etc

|  |  |
| --- | --- |
|  | <?xml version="1.0"?>  <config xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="urn:magento:framework:ObjectManager/etc/config.xsd">      <preference for="Magento\Catalog\Block\Product\ListProduct"  type="Training\Overriding\Block\Rewrite\Product\ListProduct" />  </config> |

#2 – Now create ListProduct.php Block file in Folder Training/Overriding/Block/Rewrite/Product

|  |  |
| --- | --- |
|  | <?php        namespace Training\Overriding\Block\Rewrite\Product;        class ListProduct extends \Magento\Catalog\Block\Product\ListProduct      {          public function \_getProductCollection()          {              // Do your stuff here          }      } |

You can override other blocks using same approach.

**Overriding Model**

**Lets Override Catalog Product Model.**

#1 – First of all create di.xml file in Folder Training/Overriding/etc

|  |  |
| --- | --- |
|  | <?xml version="1.0"?>  <config xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="urn:magento:framework:ObjectManager/etc/config.xsd">   <preference for="Magento\Catalog\Model\Product"  type="Training\Overriding\Model\Rewrite\Catalog\Product" />  </config> |

#2 – Now create Product.php Model file in Folder Training/Overriding/Model/Rewrite/Catalog

|  |  |
| --- | --- |
|  | <?php        namespace Training\Overriding\Model\Rewrite\Catalog;        class Product extends \Magento\Catalog\Model\Product      {          public function isSalable()          {              // Do your stuff here              return parent::isSalable();          }        } |

You can override other models using same approach.

**Overriding Controller**

**Lets Override Product View Controller.**

#1 – First of all create di.xml file in Folder Training/Overriding/etc

|  |  |
| --- | --- |
|  | <?xml version="1.0"?>  <config xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="urn:magento:framework:ObjectManager/etc/config.xsd">      <preference for="Magento\Catalog\Controller\Product\View"  type="Training\Overriding\Controller\Rewrite\Product\View" />  </config> |

#2 – Now create View.php Controller file in Folder Training/Overriding/Controller/Rewrite/Product

|  |  |
| --- | --- |
|  | <?php        namespace Training\Overriding\Controller\Rewrite\Product;        class View extends \Magento\Catalog\Controller\Product\View      {          /\*\*           \* @return \Magento\Framework\Controller\Result\Redirect|\Magento\Framework\View\Result\Page           \*/          public function execute()          {              // Do your stuff here              return parent::execute();          }      } |

You can override other controllers using same approach.