Assignment - 6:

1. Create a Part subtype: "PLMBPart" and work on the below points.
3. Create below global(reusable)attributes on PLMBPart Subtype

a) Country -----string type
b) States -----string type
c) External-----Boolean type
d) Issue Date------Timestamp/date type
e) Country of origin---- String type

Q 1: Ans:

Steps are as follows:

Step 1: Login as wcadmin user -> site -> Utilities -> Type & Attributes Management -> Manage Types -> Create a subtype under Part -> New Subtype.

Step 2: Add Internal Name as per given requirement (PLMBPart), Display Name, select yes for Instantiable & yes for Subtypeable -> click ok.

You will find the subtype gets created under Part as below,

Q 3 Ans:

Step 1: Go to Manage Reusuable attributes -> r/c Root -> New Attribute Organizer -> Give Internal Name (PLMBPART_TEST), Display Name -> click on Ok.
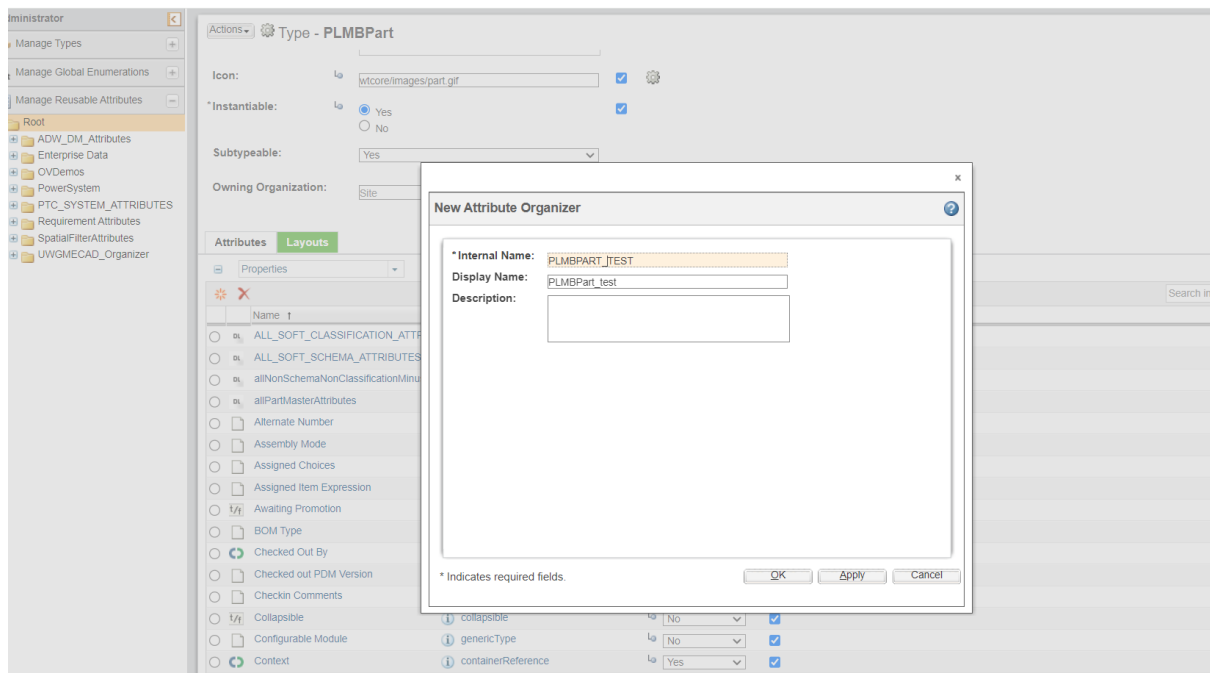
Step 2: You will find the New Attribute folder (PLMBPart_test) gets created under Root -> r/c on it -> Click on New Reusable Attribute -> Add Internal Name, Data Type, Display Name as per given requirements here is (COUNTRY), String, Country -> Click on Ok.
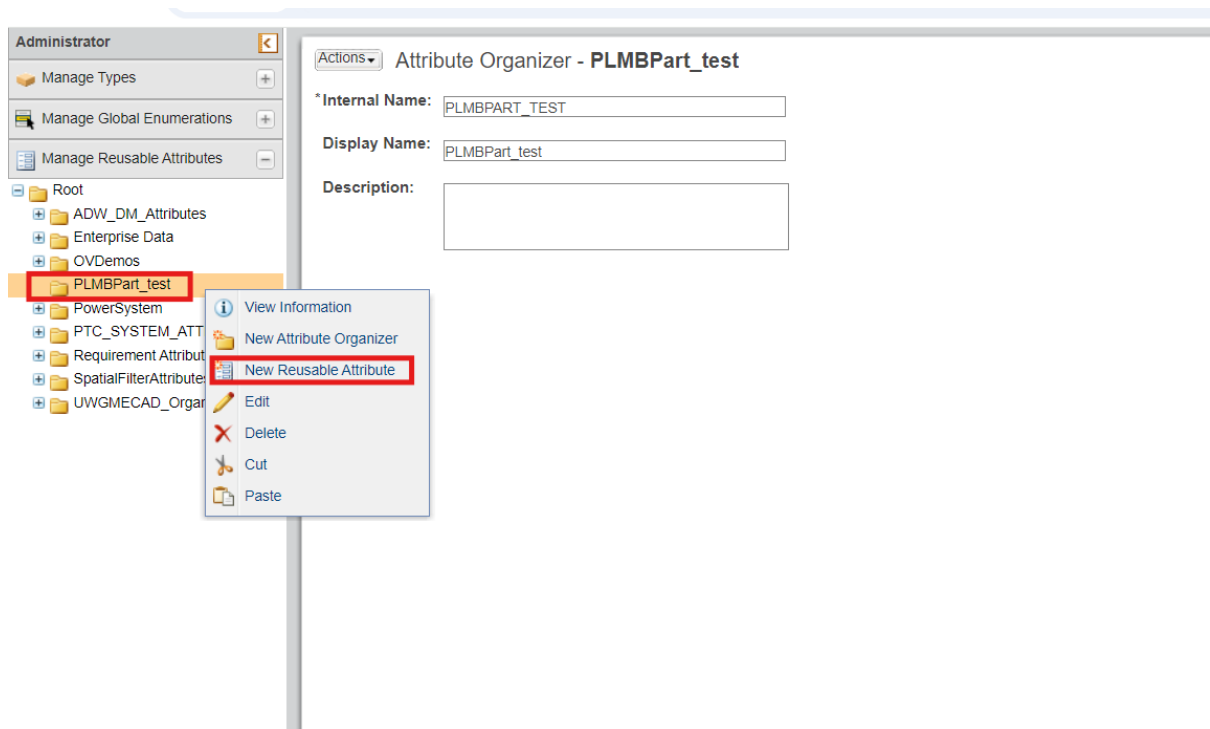
New Reusable Attribute

*Internal Name:	COUNTRY
Data Type:	String
Display Name:	Country
Description:	
Logical Identifier:	

* Indicates required fields.

OK   Apply   Cancel

Step 3: Similarly create the same for other Reusable Attributes (e.g.: States, External, Issue Date, Country of Origin) by r/c on Root -> Click on New Reusable Attribute & add Internal Name, Data Type, Display Name as per given requirements -> Click on Ok.

New Reusable Attribute

*Internal Name:	STATES
Data Type:	String
Display Name:	States
Description:	
Logical Identifier:	States

* Indicates required fields.

OK   Apply   Cancel

New Reusable Attribute

* Internal Name: EXTERNAL
Data Type: Boolean
Display Name: External
Description:

Logical Identifier: External

* Indicates required fields.   OK   Apply   Cancel

New Reusable Attribute

* Internal Name: ISSUEDATE
Data Type: Date & Time
Display Name: Issue Date
Description:

Logical Identifier: ISSUEDATE

* Indicates required fields.   OK   Apply   Cancel

New Reusable Attribute

* Internal Name: COUNTYOFORIGIN
Data Type: String
Display Name: Country of origin
Description:

Logical Identifier:

* Indicates required fields.   OK   Apply   Cancel

Q 2. Create a Document subtype: "PLMBDoc" and work on the below points

Q 5. Create below global(reusable)attributes on PLMBDoc Subtype

a) Creation Date----Timestamp/date type

b) Author---string type

c) Mandataty---Boolean type

d) Language----String type

Q 2. Ans:

Step 1: Under Manage Types -> Create a subtype under Document -> New Subtype.
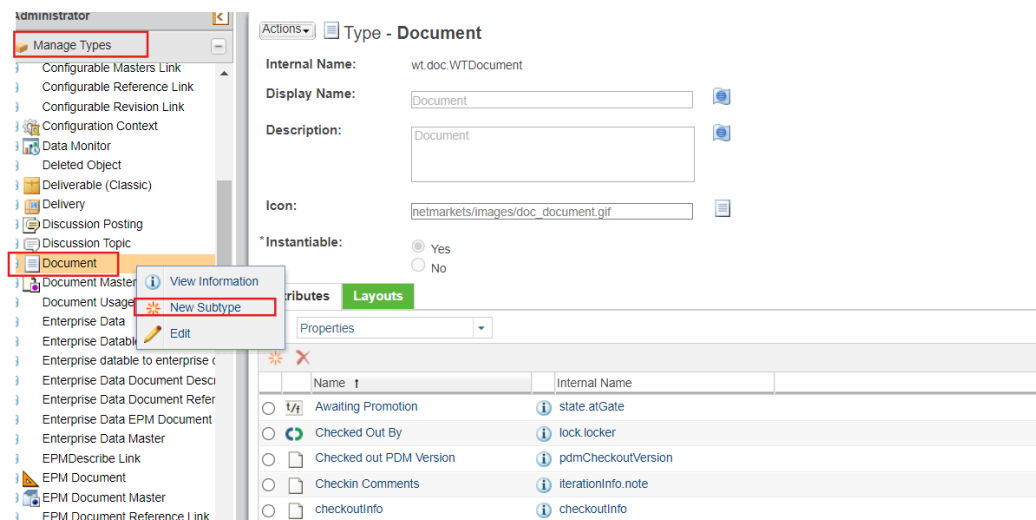
Step 2: Add Internal Name as per given requirement (PLMBDoc), Display Name, select yes for Instantiable & yes for Subtypeable -> click ok.
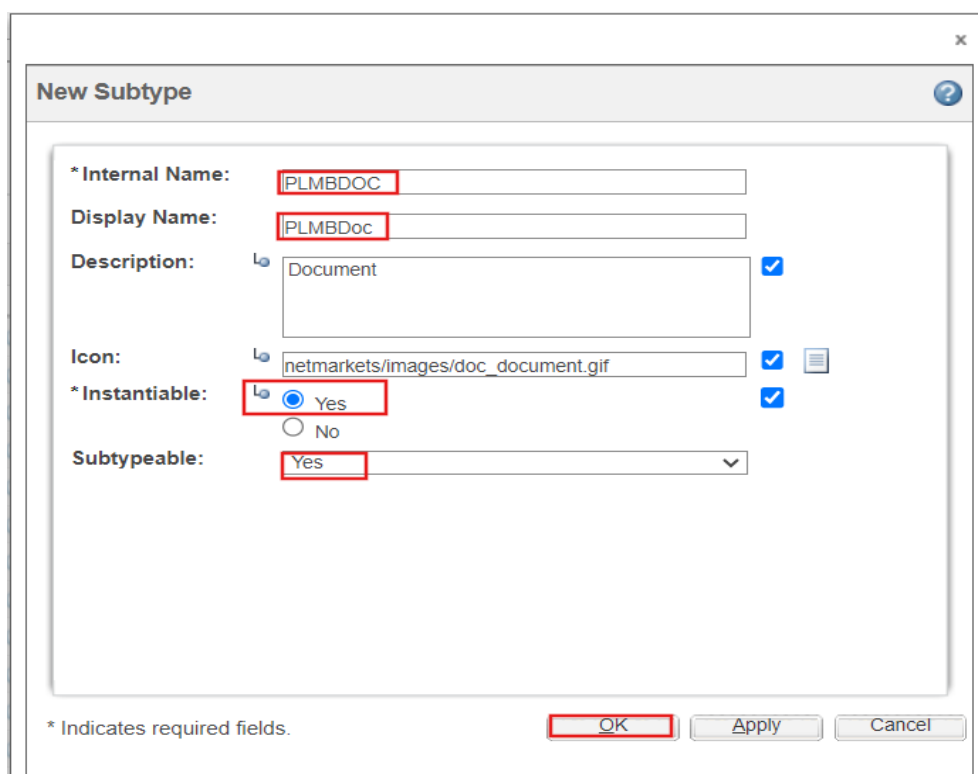
Q 5. Ans:

Step 1: Step 1: Go to Manage Reusuable attributes -> r/c Root -> New Attribute Organizer -> Give Internal Name (PLMBDoc), Display Name -> click on Ok.
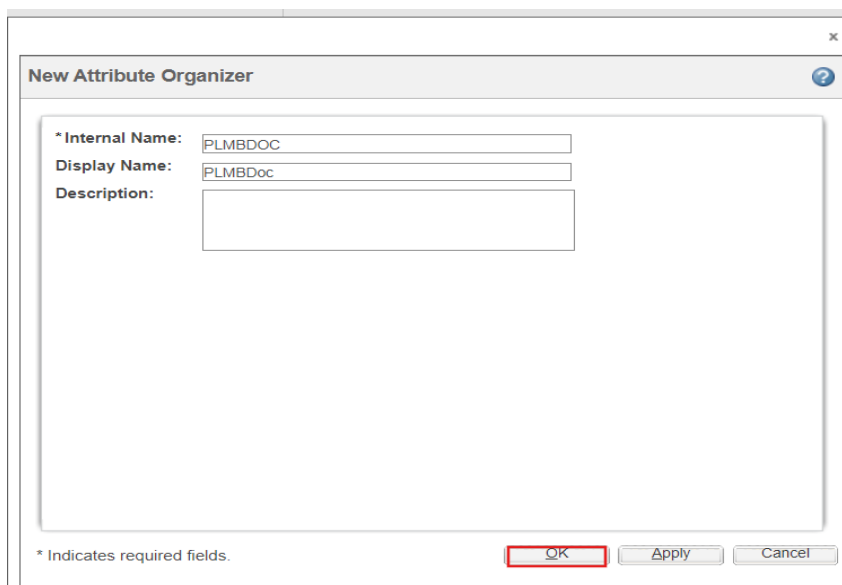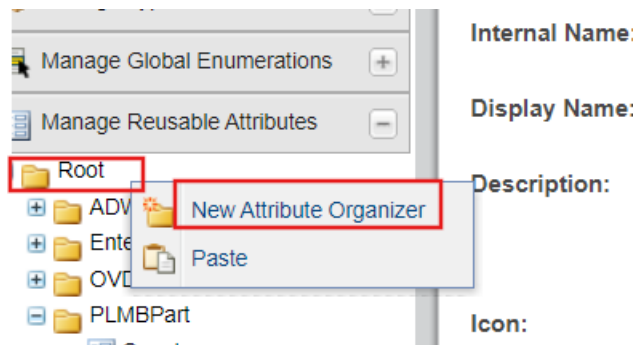
Step 2: You will find the New Attribute folder (PLMBDoc) gets created under Root -> r/c on it -> Click on New Reusable Attribute -> Add Internal Name, Data Type, Display Name as per given requirements here is CREATIONDATE, Date & Time, Creation Date -> Click on Ok.
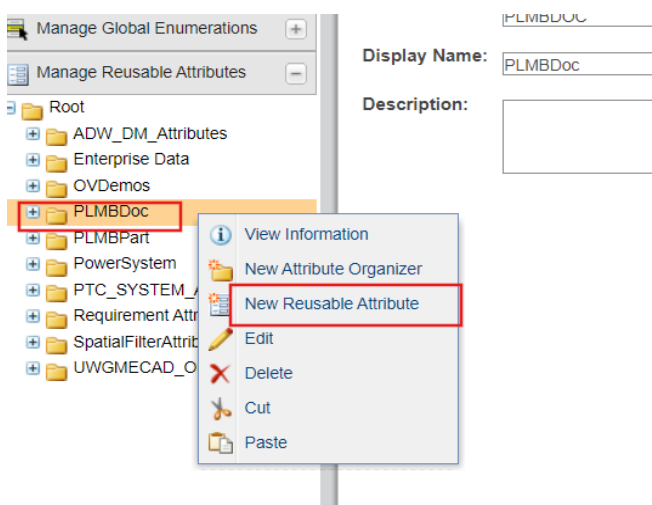
Step 3: Similarly create the same for other Reusable Attributes (e.g.: Author, Mandataty, Language) by r/c on Root -> Click on New Reusable Attribute & add Internal Name, Data Type, Display Name as per given requirements -> Click on Ok.

New Reusable Attribute

* Internal Name:	MANDATATY
Data Type:	Boolean
Display Name:	Mandataty
Description:	
Logical Identifier:	MANDATATY

* Indicates required fields.

OK   Apply   Cancel

New Reusable Attribute

* Internal Name:	LANGUAGE
Data Type:	String
Display Name:	Language
Description:	
Logical Identifier:	

* Indicates required fields.

OK   Apply   Cancel

Q 4. Create one local attribute for PLMBPart Subtype.
a) Supplier-----String type
Note: First, attempt to reproduce the error and observe it. We will discuss it in a session to work on the resolution.

Step 1: Under Manage type r/c on PLMBPart -> click on edit -> create new attribute -> give Internal name as Supplier -> select type as Local -> click next.
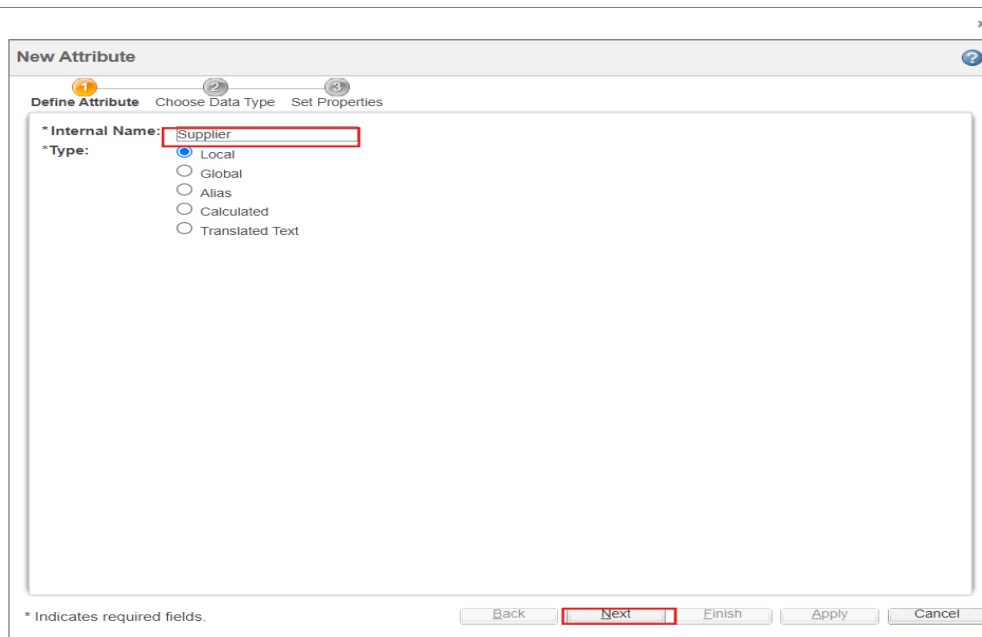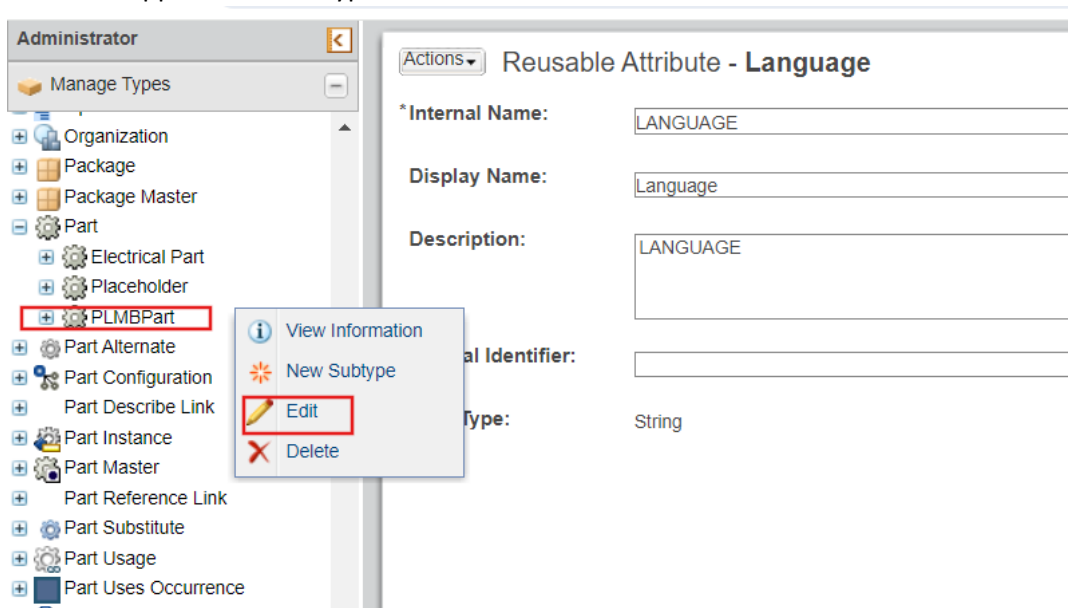
Step 2: Select Data type as per requirement here is String -> click on Next -> under set property che k Display name -> click on Finish. At First attempt we found error in below screenshot.

Step 3: If the above error arise execute command in cmd as AddColumns -> enter.
AddColumns wt.part.WTPart String=3 Long=4 Double=1 -> enter
Windchill stop -> enter
Windchill start -> enter. Then the local attributes for PLMBPart Subtype gets added as below.

Q 6: The user should be able to see Country, States, External, and Issue date in the create page.

Step 1: Go to Manage Types -> Part -> PLMBPart -> Click on Action dropdown -> Click on Edit -> create new attribute -> Add Internal Name as Country, Type as Global -> click on Finish.

Step 2: Under Choose Reusable Attributes -> select Country under PLMBPart -> click next

Step 3: Under Set Properties -> Display name as Country -> Click Finish

Step 4: Do similar steps for the others 4 attributes -> then go to Orgadmin(Chachar2_orgadmin) -> Product -> Folder -> Create new Part -> give type name as "PLMBPart" -> you can see all the mentioned details in create part page as below -> click finish.

Q 7: The user should not be able to see Issue date on the edit page but can see Country, States, and External.

Step 1: Go to PLMBPart -> Click action -> Edit -> Select Issue date under Attributes -> Under Visibility tab -> Select Hidden dropdown for Edit option.
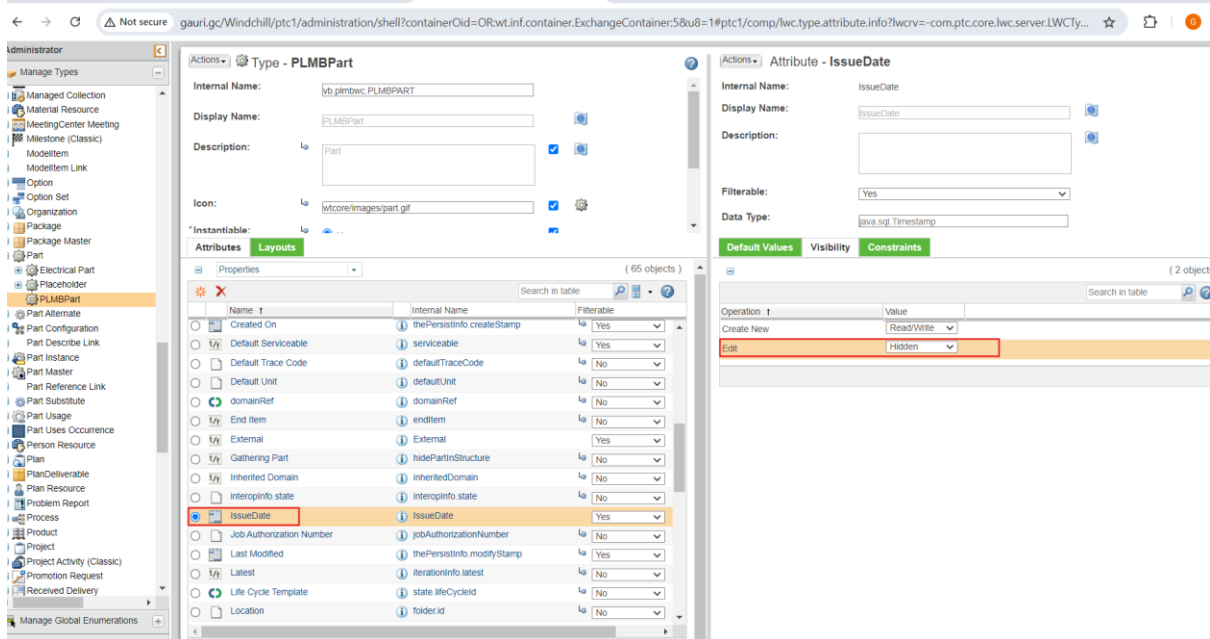
Step 2: Now to Part under folder in Chachar2_orgadmin -> select the part which is newly created -> checkout & edit -> you will found the Issue date is not visible in below screenshot -> click on check in.
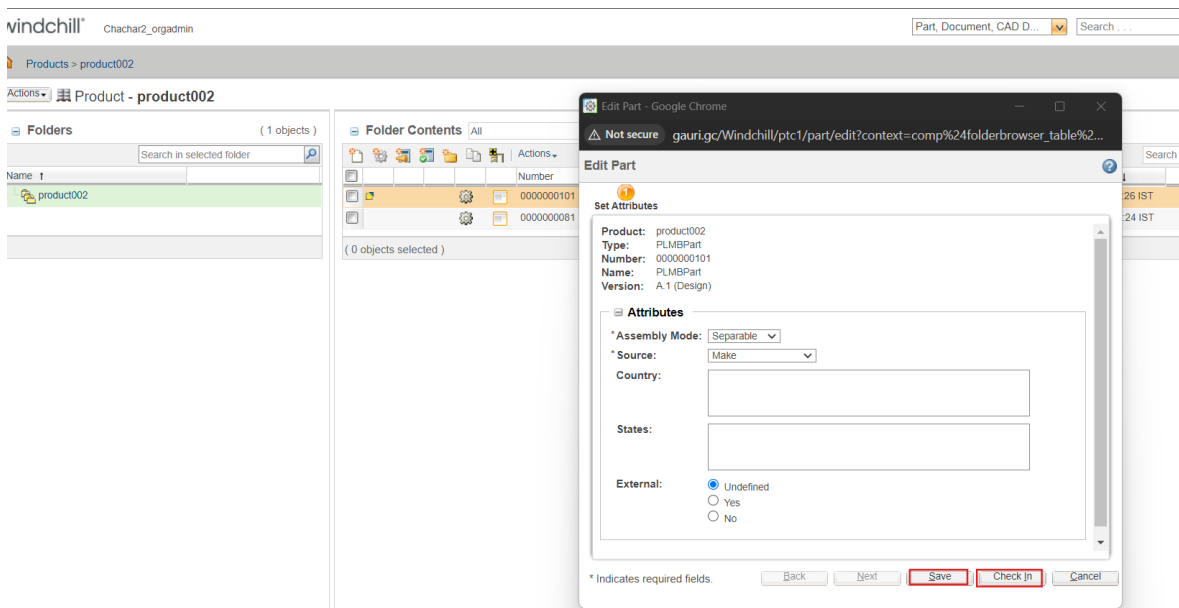
Q 8: In the View page all 5 attributes should be visible.

Step 1: Click on "i" icon to view the part, there you will find all the 5 attributes in view page as below.

Q 9. Create a global enumeration where the Country should have values like India, China, and USA, in the dropdown.

Step 1: Under Manage Global Enumerations -> create a folder by r/c on Root -> create New Enumeration Organizer -> Add Internal Name as PLMBPart, Display name & click on Ok.

Step 2: Now r/c on PLMBPart folder which is created above -> click on New Enumeration -> Add Internal Name as Country -> click on ok.

Step 3: You will find Country gets added under PLMBPart -> then add the Country names mentioned in quest as India, China, USA -> Click on Done.

Step 4: Go back to Manage Type -> PLMBPart -> Under Attributes select Country -> Add Constraints by clicking on Plus sign (+) -> Select Enumerated Value List in dropdown -> click on Ok.

Step 5: In below screenshot the Enumerated Value List gets added -> click on Done

Step 6: Go to Orgadmin user account (Chachar2_orgadmin) -> Product -> folder –> create new Part -> in New Part Page you can find the Dropdown list of Country.

**10. States should have values like Karnataka, Kerala, Madhya Pradesh, Manipur, Maharashtra, Ch1, ch2, us1, us2, in dropdown.**
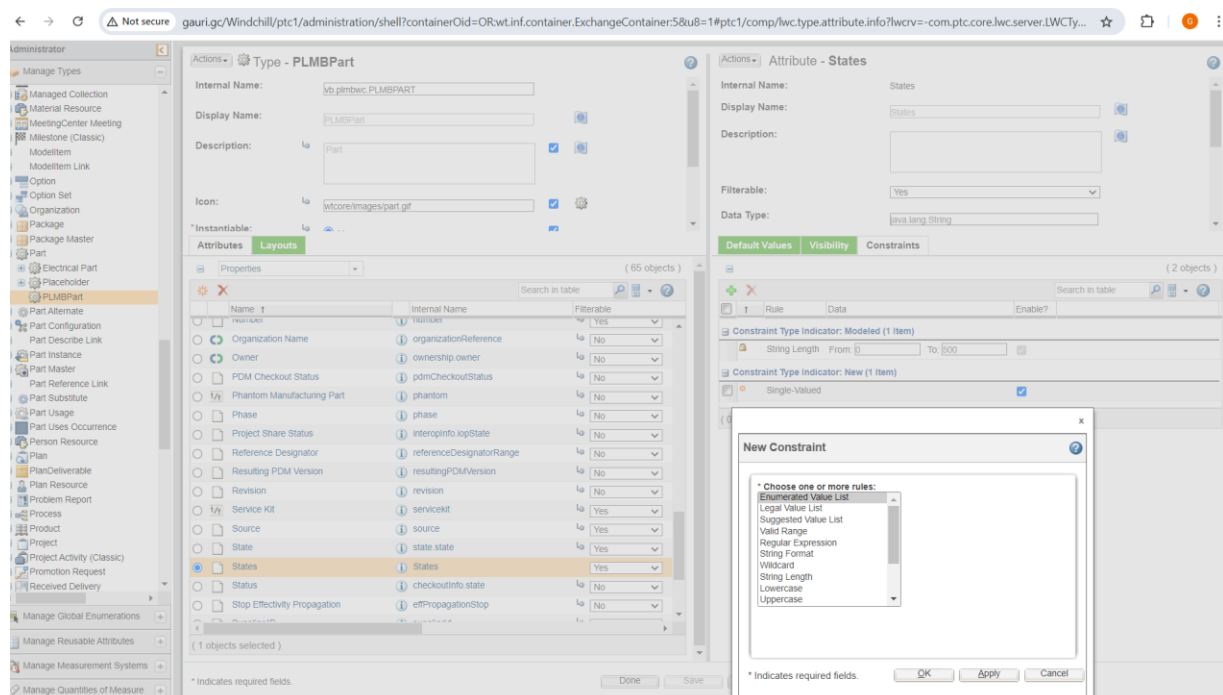
Similarly same steps for adding the states as follows,

Step 1: First you need to create a new Enumeration for States to add on r/c on PLMBPart folder which is created above -> click on New Enumeration -> Add Internal Name as States -> click on ok. The States Enumeration gets created.
Step 2: Then add the States names mentioned in quest as Karnataka, Kerala, Madhya Pradesh, Manipur, Maharashtra, Ch1, ch2, us1, us2 -> click on done
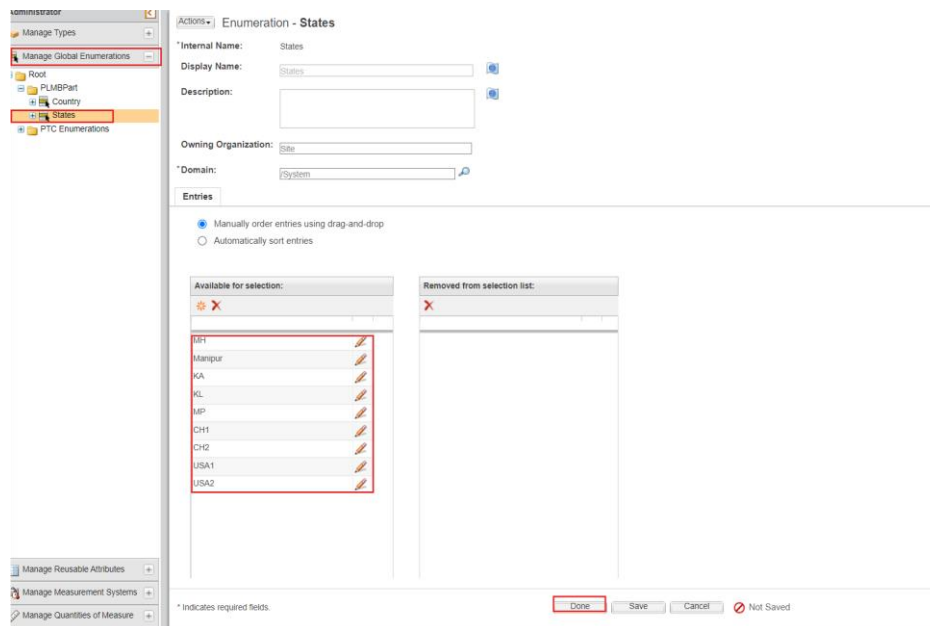
Step 3: Go back to Manage Type -> PLMBPart -> Under Attributes select States -> Add Constraints by clicking on Plus sign (+) -> Select Enumerated Value List in dropdown -> click on Ok.

Step 4: In below screenshot the Enumerated Value List gets added -> click on Done

Step 5: Go to Orgadmin user account (Chachar2_orgadmin) -> Product -> folder –> create new Part -> in New Part Page you can find the Dropdown list of States.

11. Create a legal value list for the Country of origin where values should be like Korea, Paris, Japan, and China.

Step 1: Go back to Manage Type -> PLMBPart -> Under Attributes select CountryOfOrigin -> Add Constraints by clicking on Plus sign (+) -> Select Legal Value List in dropdown -> click on Ok.
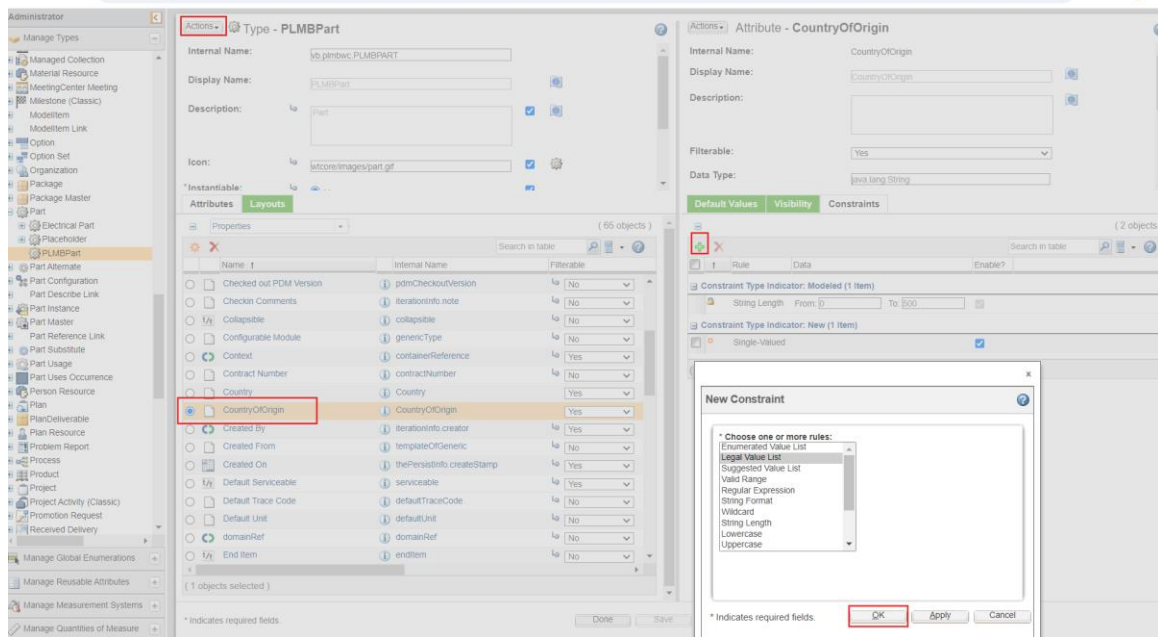
Step 2: Then click on edit constraints & add the names mentioned in quest as Korea, Paris, Japan, and China -> click on ok.
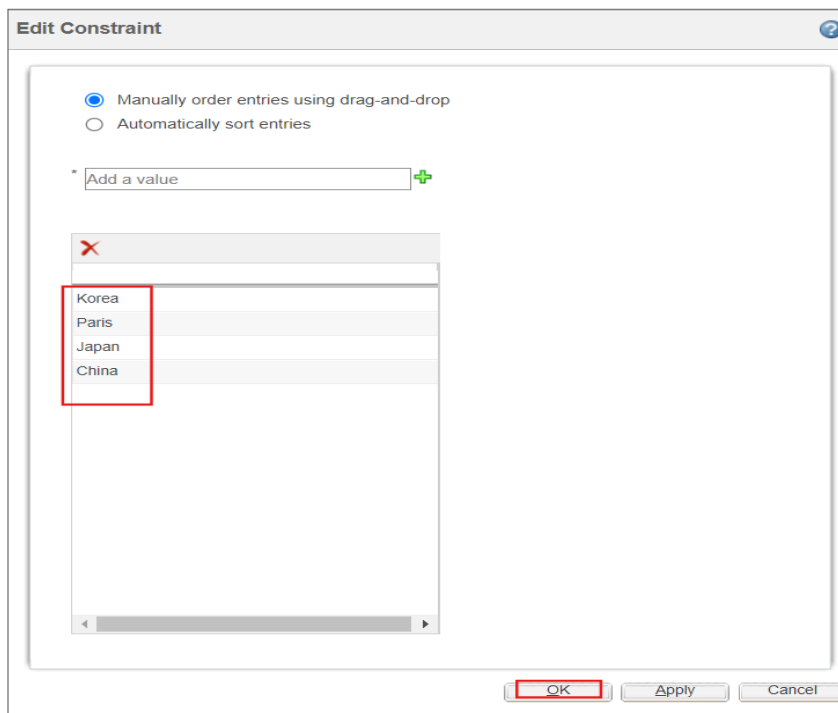
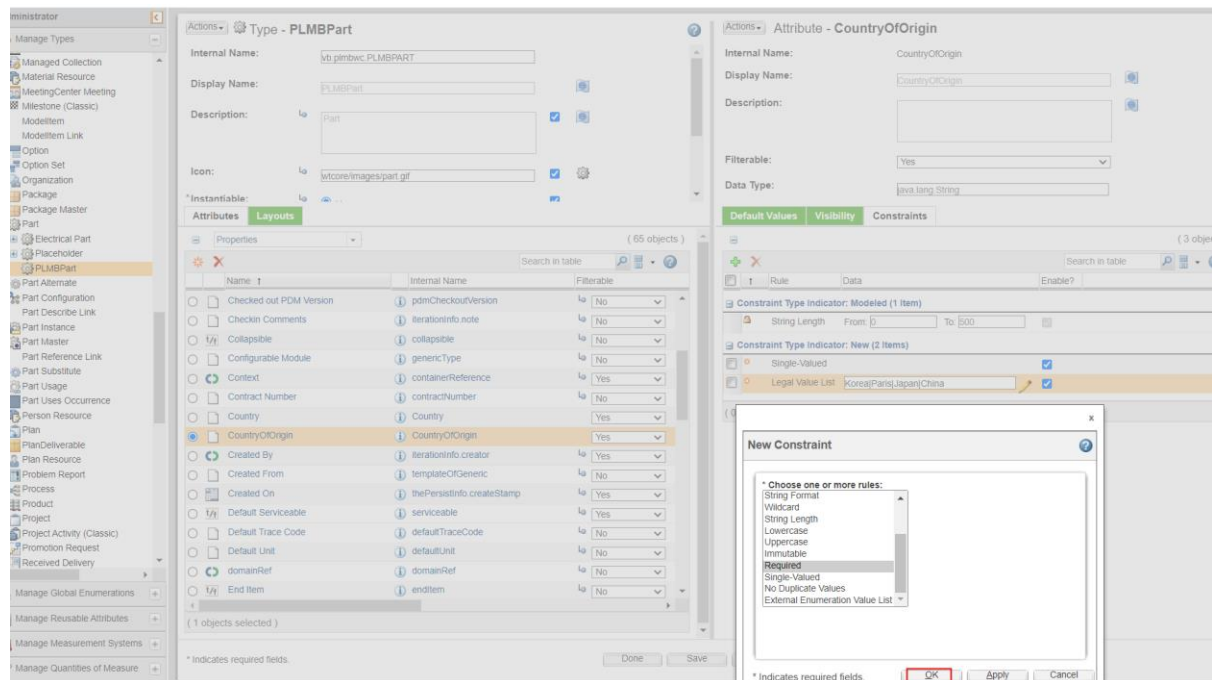Step 3: In below screenshot the Legal Value List gets added -> click on Done

Step 4: Go to Orgadmin user account (Chachar2_orgadmin) -> Product -> folder –> create new Part -> in New Part Page you can find the Dropdown list of CountryOfOrigin.

12. The Country of Origin attribute must be a mandatory field, and the part creation should not be allowed until a value is entered for this attribute.

Step 1: Go to Manage Type -> PLMBPart -> Under Attributes select CountryOfOrigin -> Add Constraints by clicking on Plus sign (+) -> Select Required in dropdown list -> click on Ok.

In the below screenshot you will find the required list is added -> click on done.
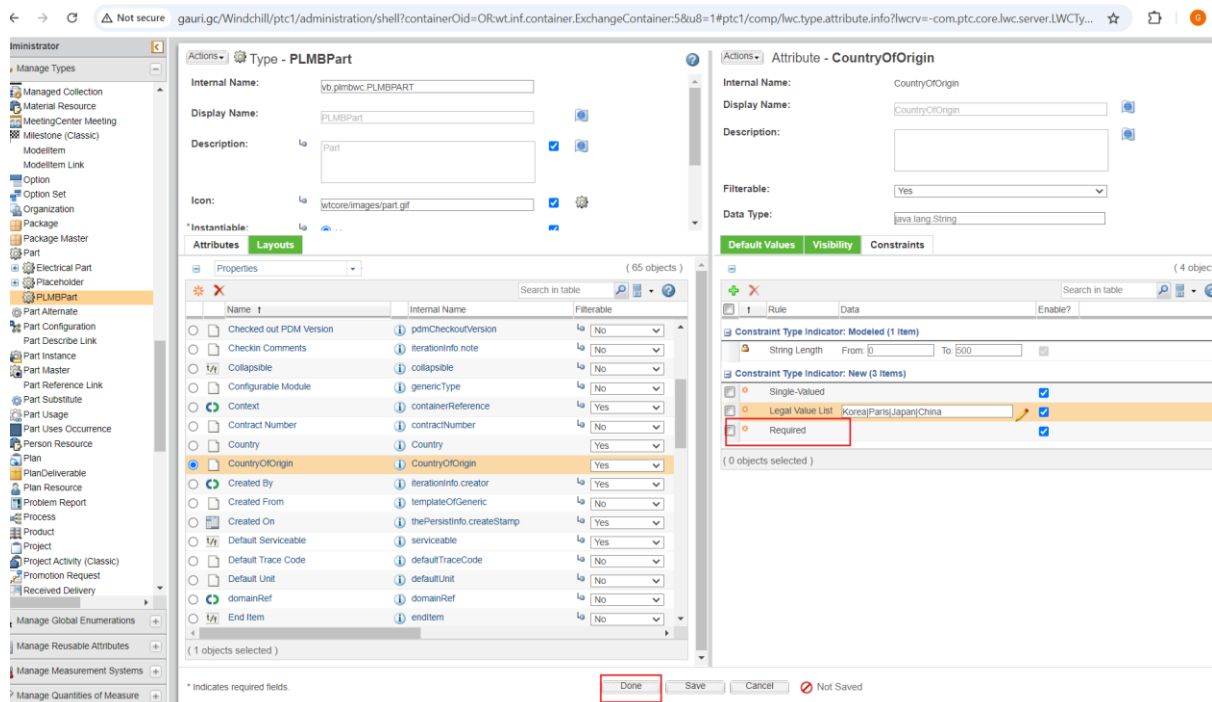
Step 2: Go to Orgadmin user account (Chachar2_orgadmin) -> Product -> folder –> create new Part -> in New Part Page you can find the CountryOfOrigin is showing mandatory mark(*).

Step 3: Now filled all the attributes like Country, States, IssueDate & CountryOfOrigin -> click on finish.
Now View the part which is created newly & check all the Types of Attributes gets updated in that part, screenshot as below.