Assignment Five:

1. Create Four global attribute (Data Type)

a. partClassification (String)

b. isDrawing (Boolean)

c. releaseDate (DateAndTime)

d. height (real number)

2. Use these attributes in the wt.part.WTPart Object.

3. Create some Part objects, and populated these attributes.

4. Create SQL query for joins as well:

a. From StringDefinition join StringValue join WTPartMaster join WTPart

b. From booleanDefinition join booleanValue join WTPartMaster join WTPart

c. From integerDefinition join integerValue join WTPartMaster join WTPart

d. From timestampDefinition join timestamValue join WTPartMaster join WTPart

Solution:

1. Create Four global attribute (Data Type)

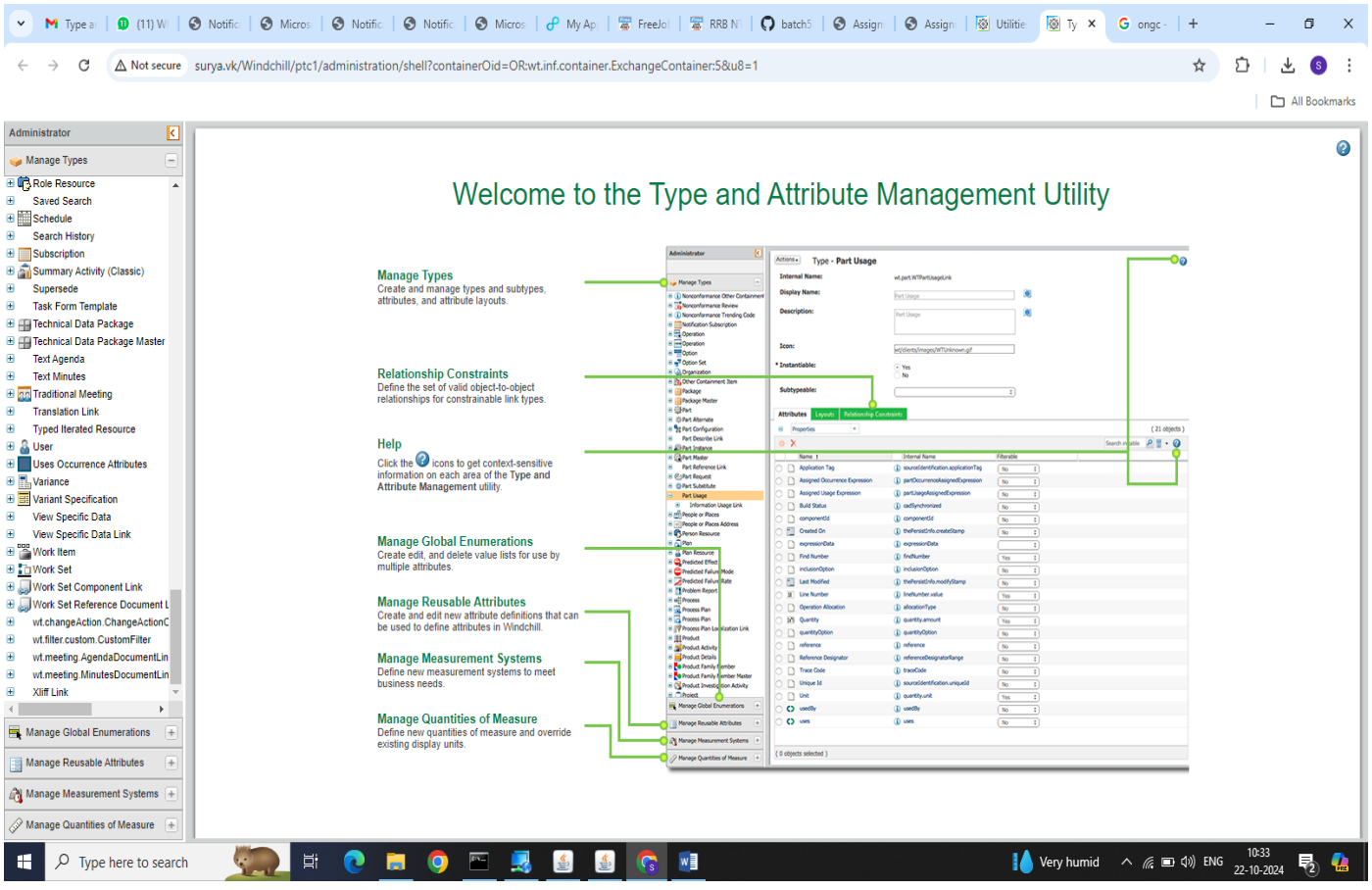
a. partClassification (String)

b. isDrawing (Boolean)

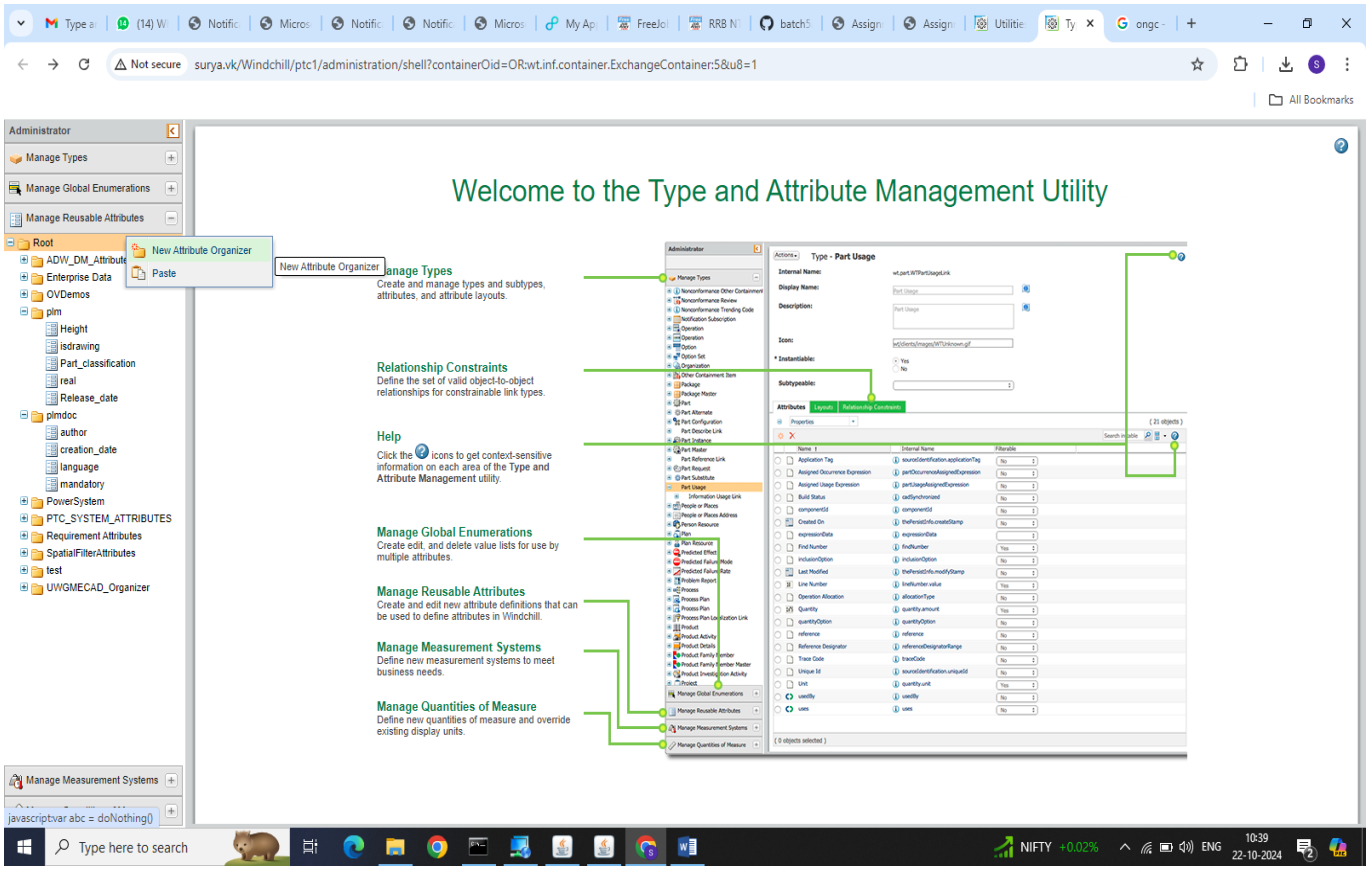
c. releaseDate (DateAndTime)

d. height (real number)

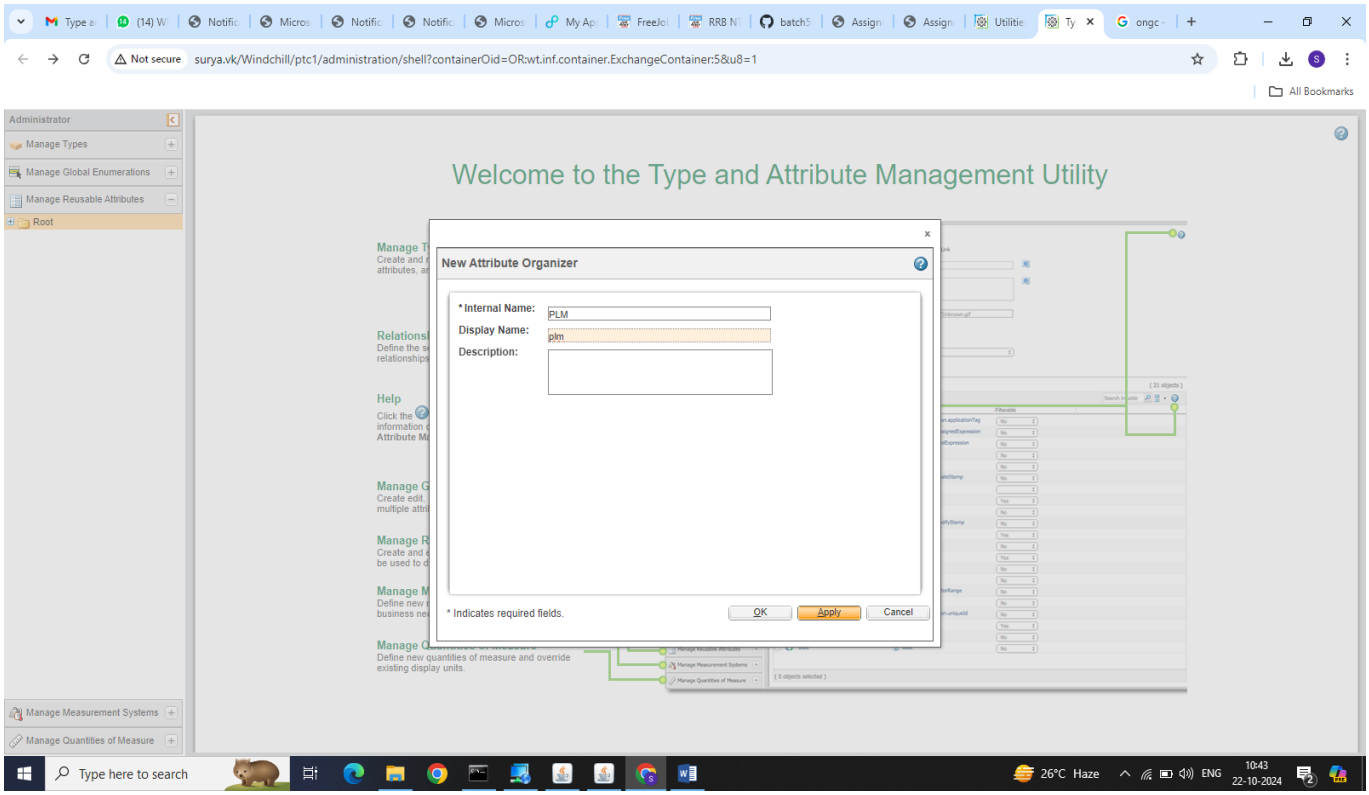
Step1: login as a site admin->utility->business administration->type and Attribute Management. The page appears shown below



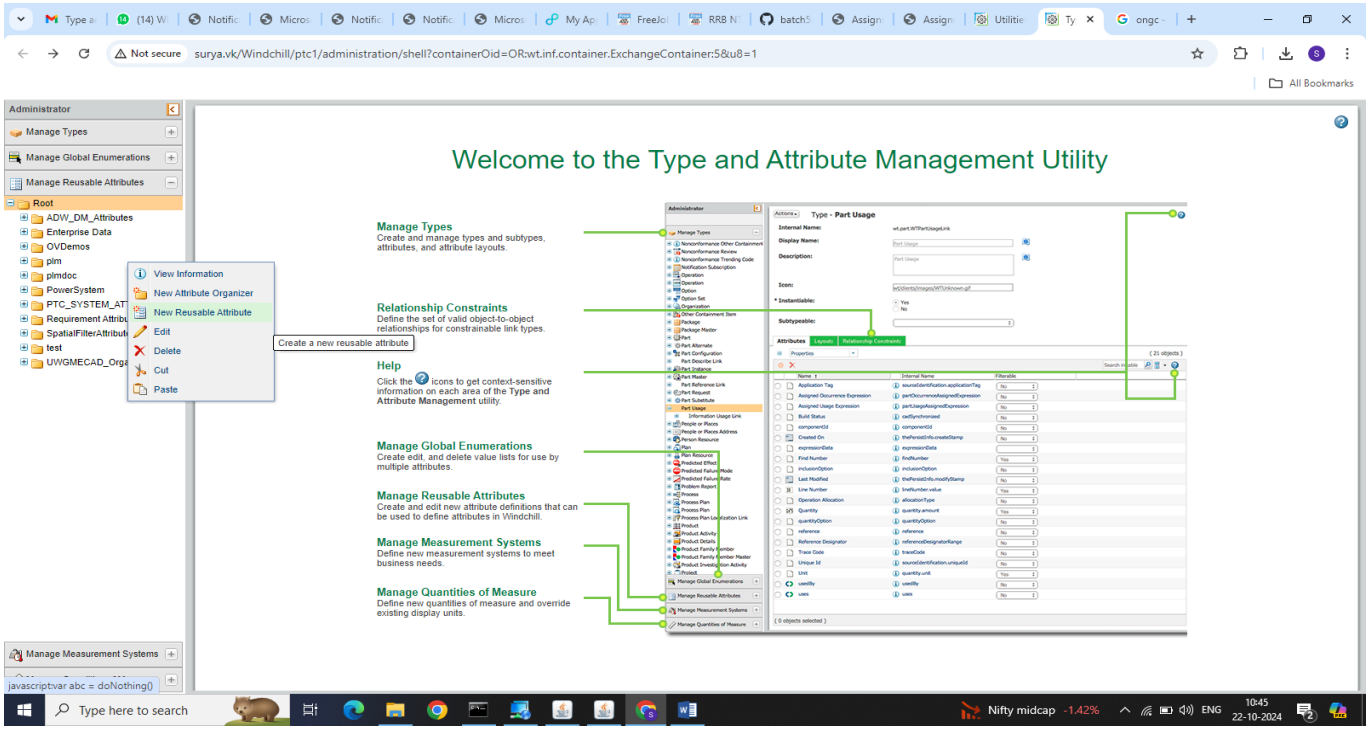
Step2: select Manage Reusable Attributes->root->r/c->New Attribute organizer



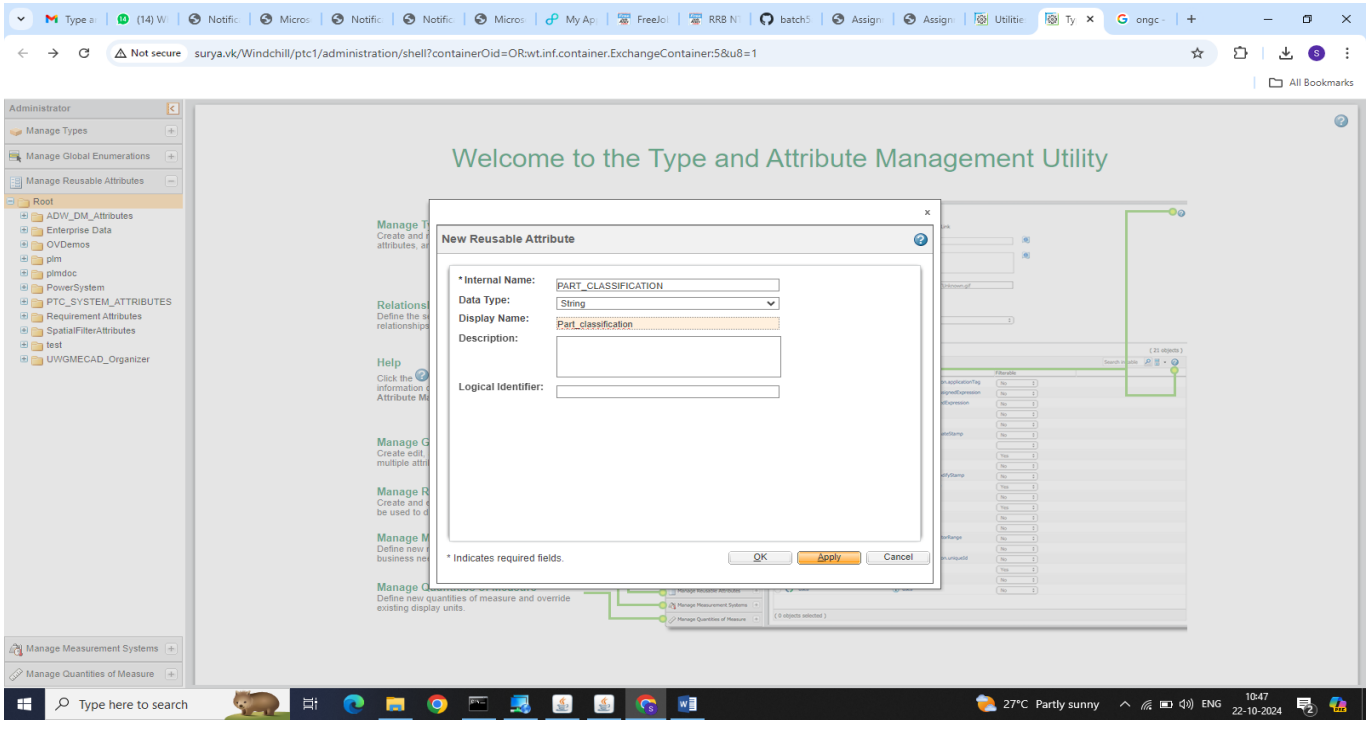
Step3: fill required fields as shown below->Apply (it create a folder).



Step4: r/c on newly created folder (datatype attribute)-> New reusable Attribute



Step5: fill appropriate fields as shown below (name: partClasification, datatype: string (it create global reusable attributes)->apply.



Step6: create global reusable attributes for remaining

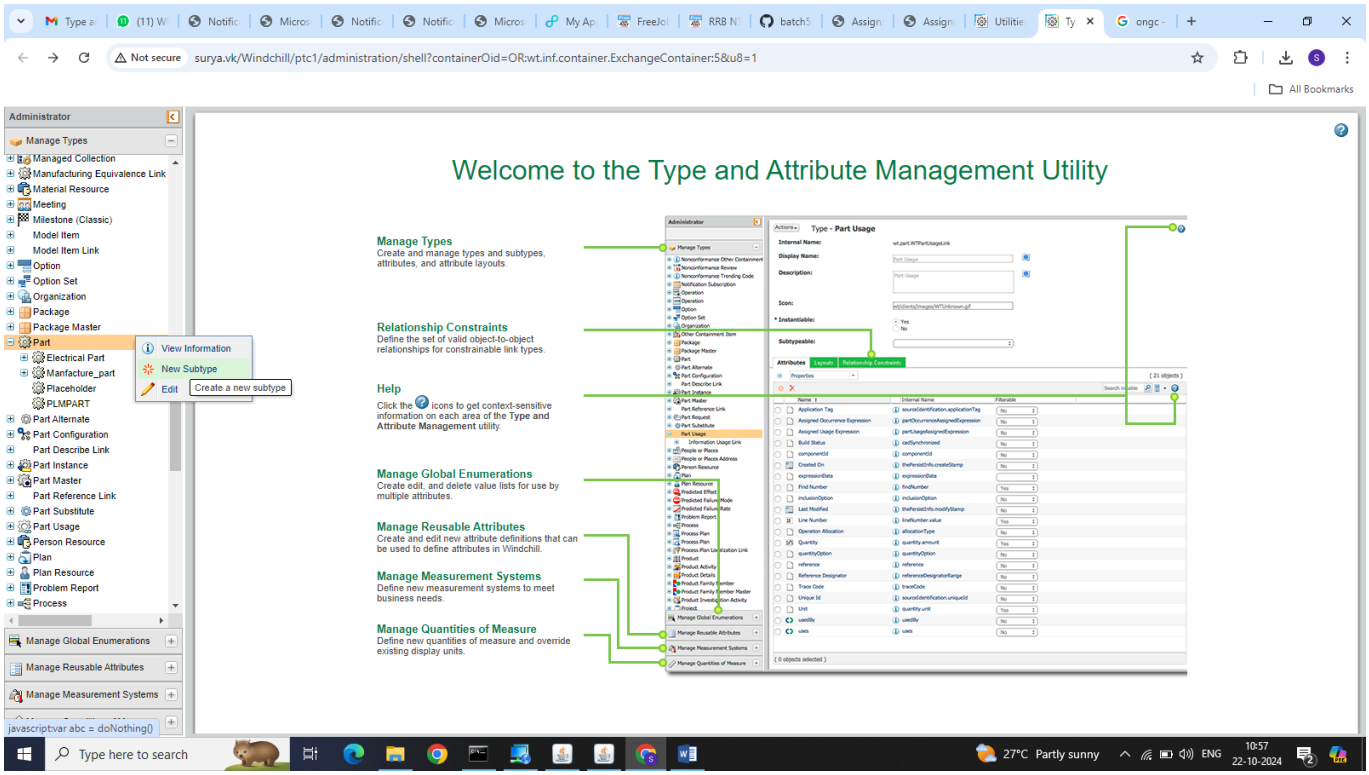
b. isDrawing (Boolean)

c. releaseDate (DateAndTime)

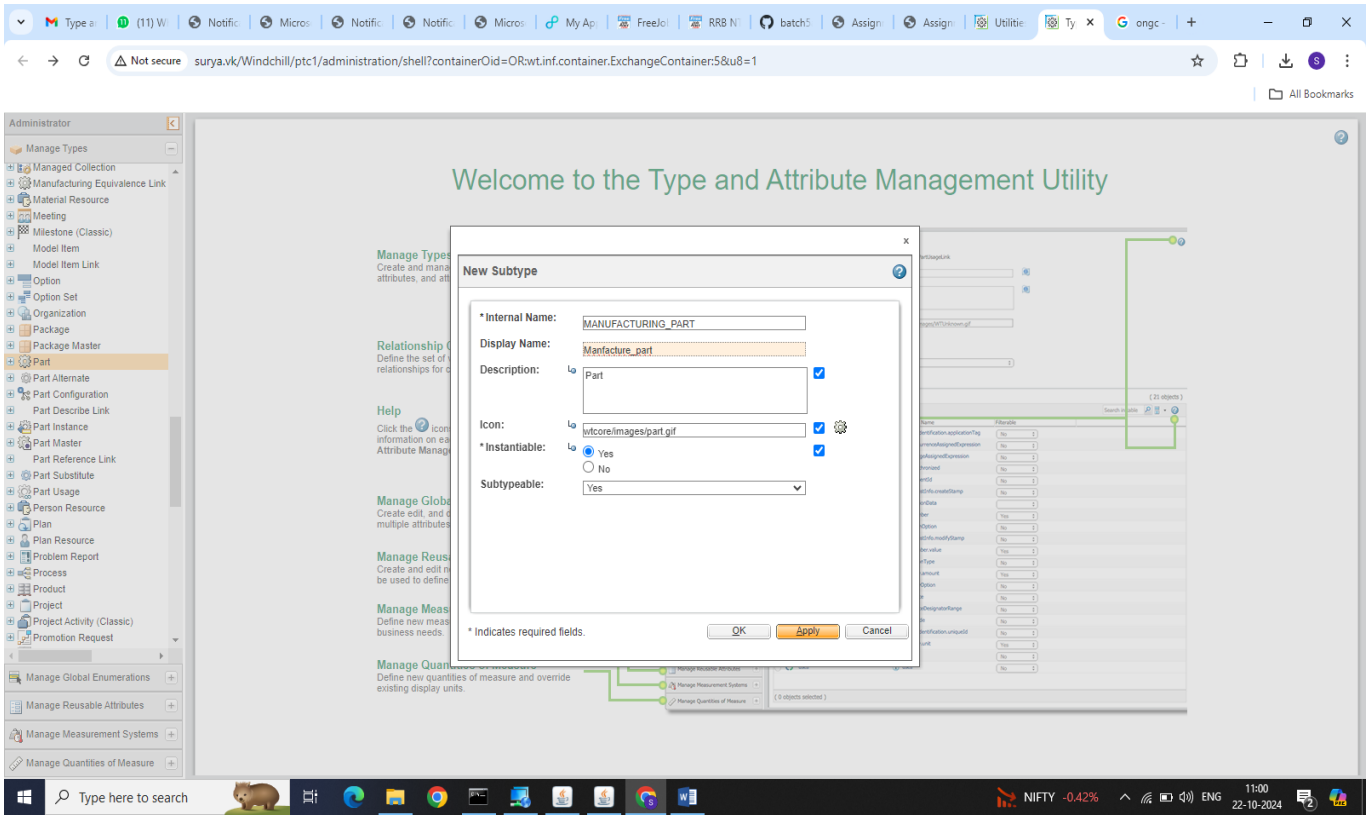
d. height (real number)

2. Use these attributes in the wt.part.WTPart Object.

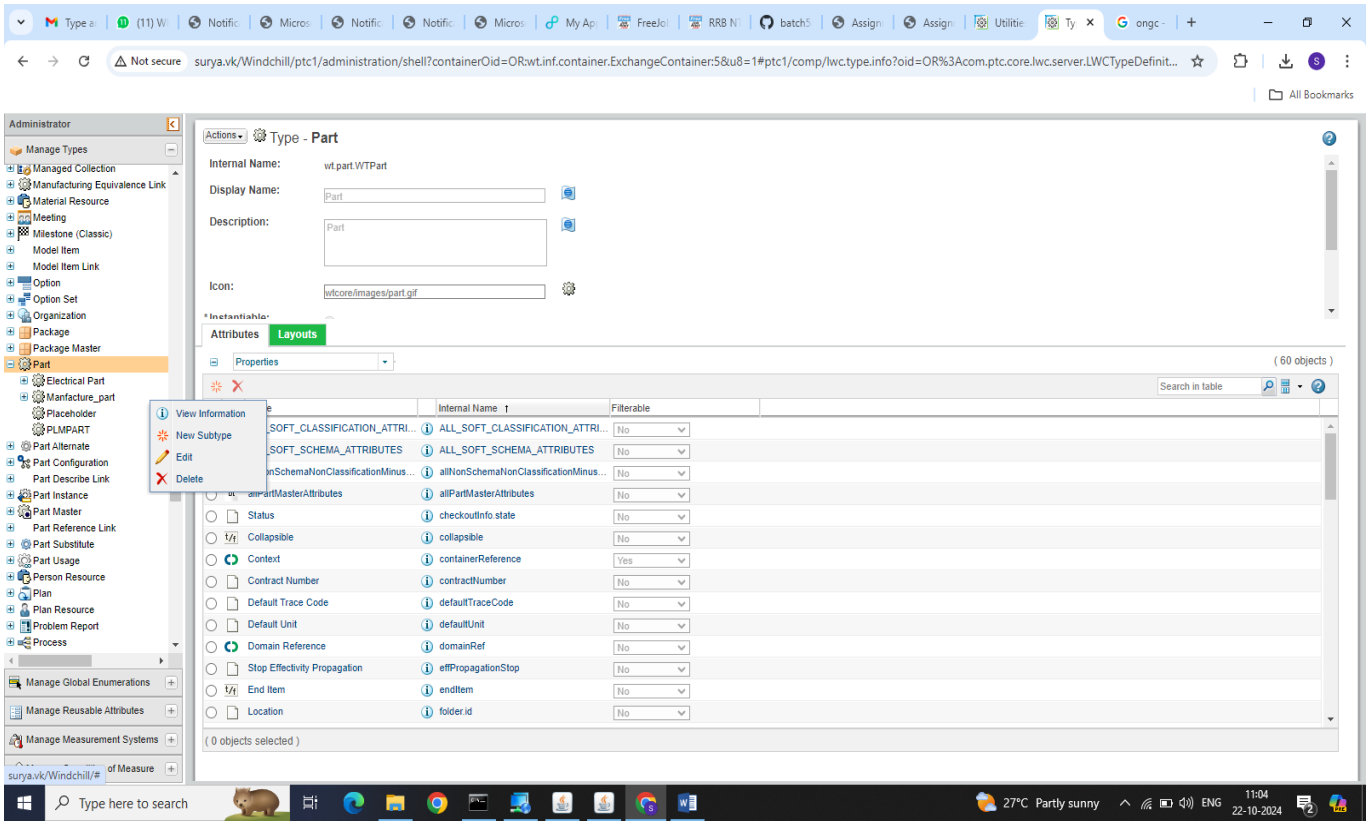
Step1: choose Manage type->part->r/c->New subtype



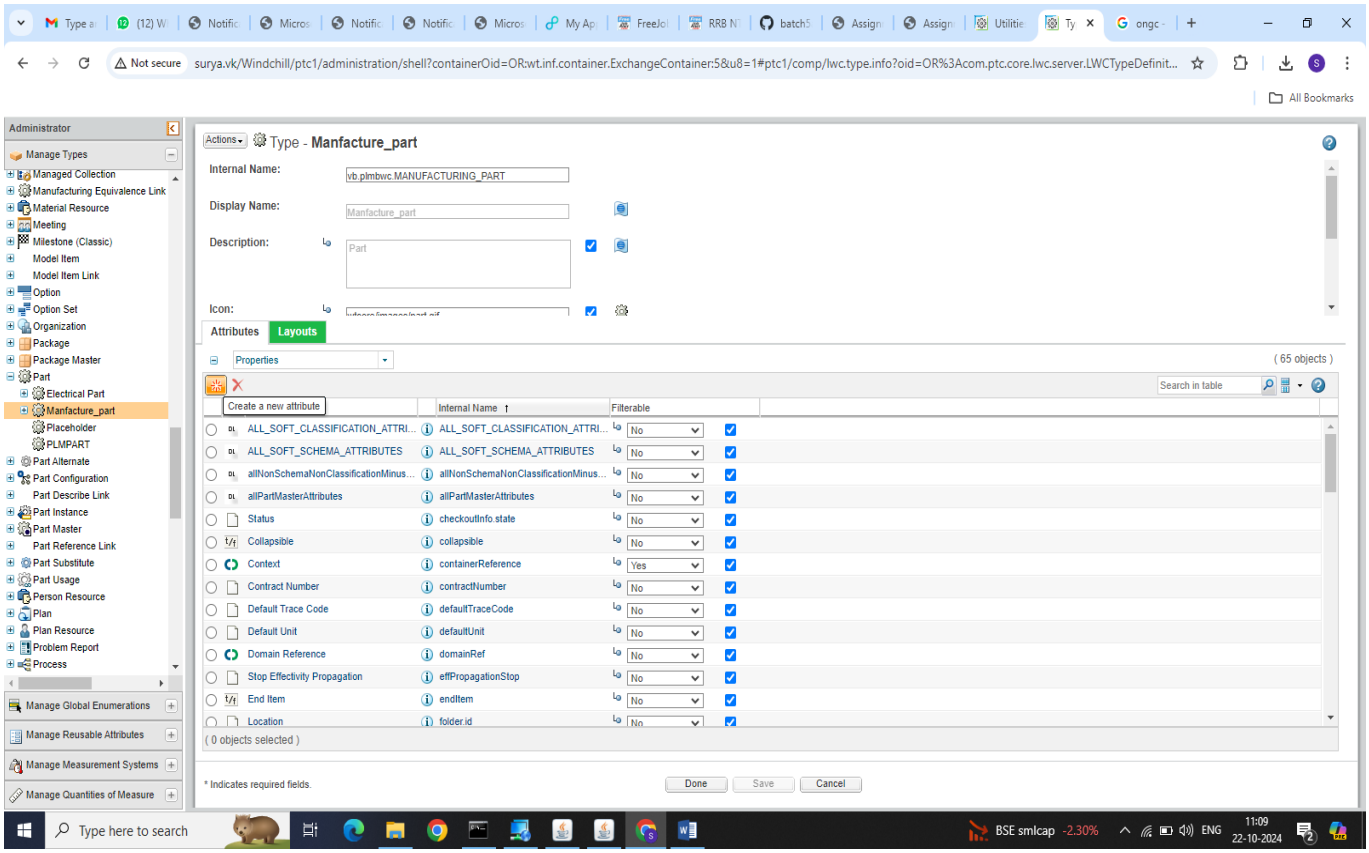
Step2: fill appropriate fields as shown in below->Apply (it creates a new subtype under WTpart).



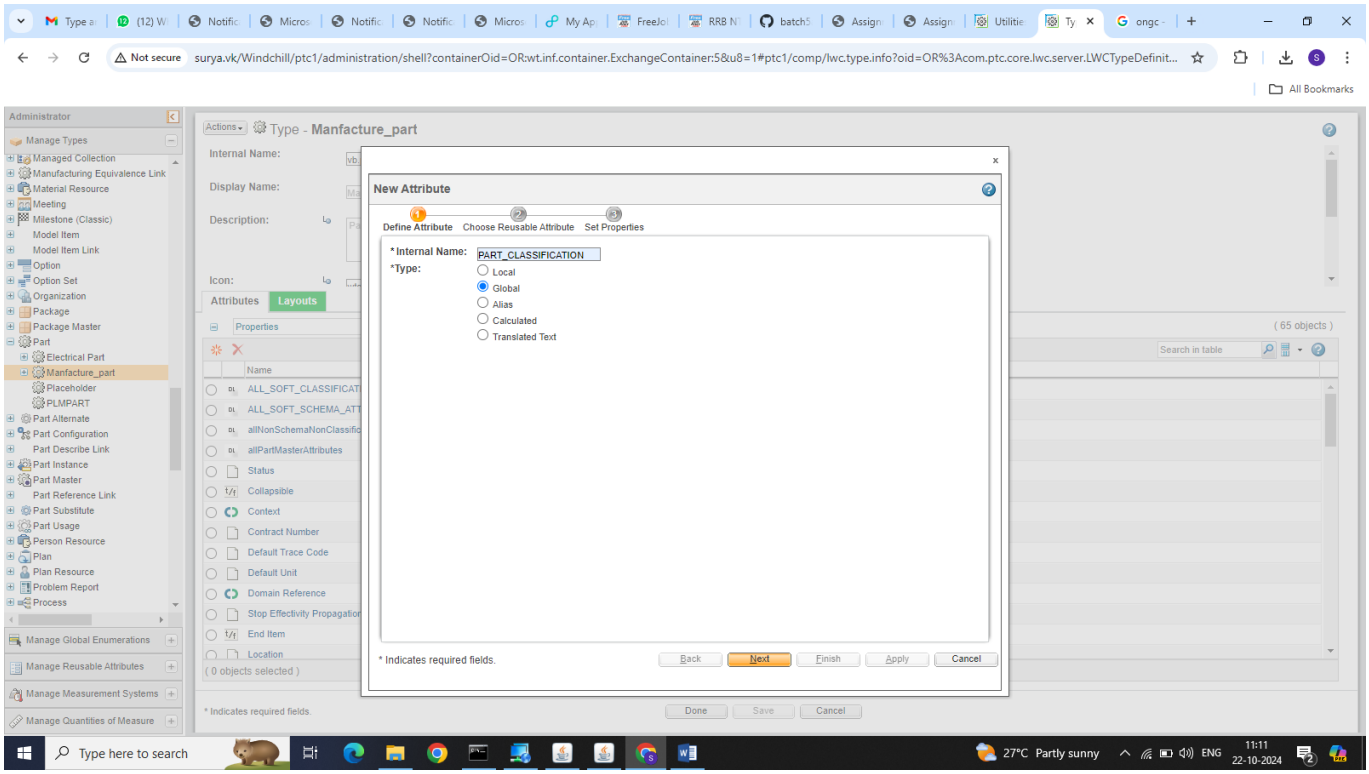
Step3: r/c on newly created subtype(datatype_attribute)->Edit



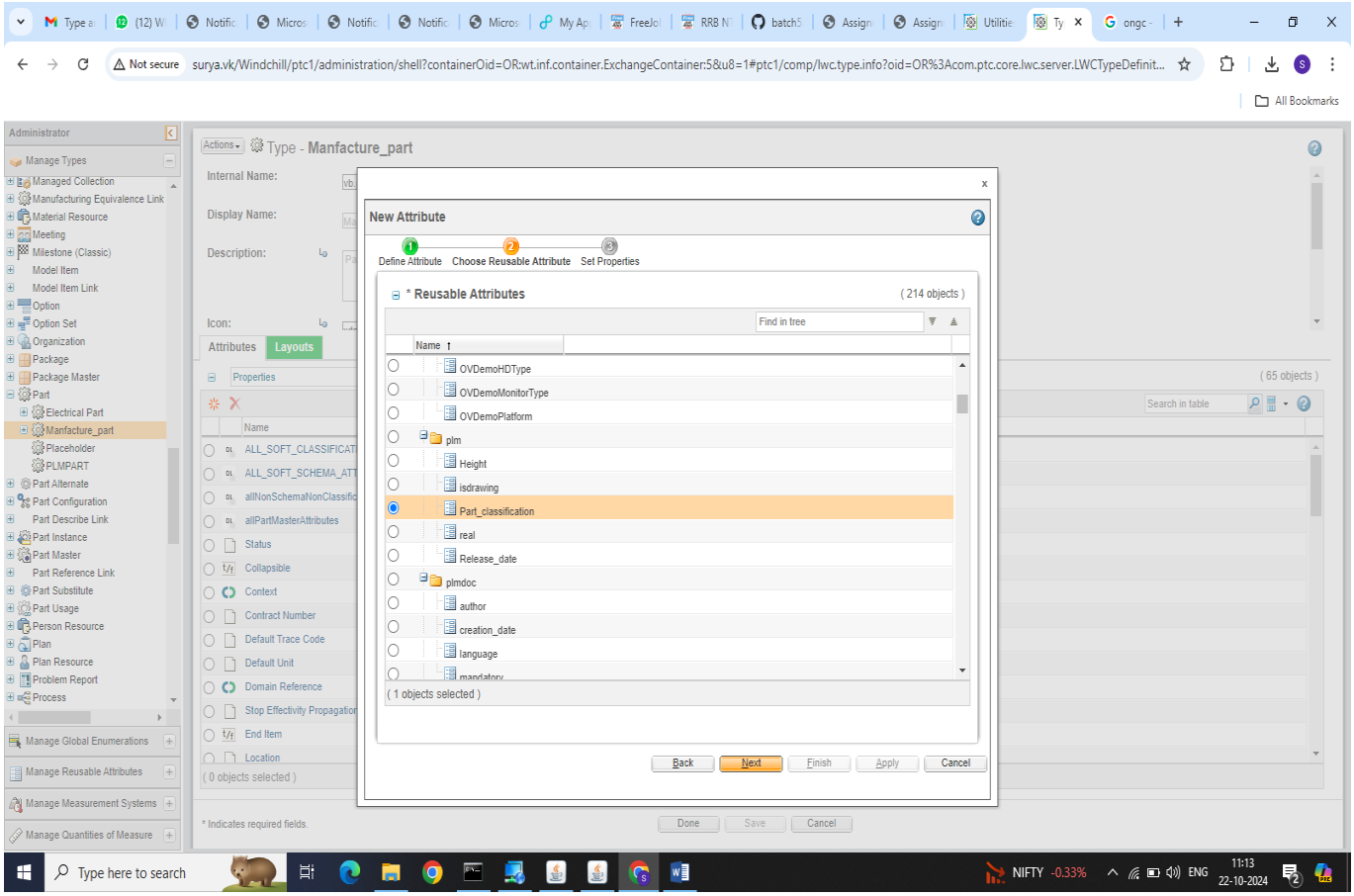
Step4: choose create new attribute as shown below.



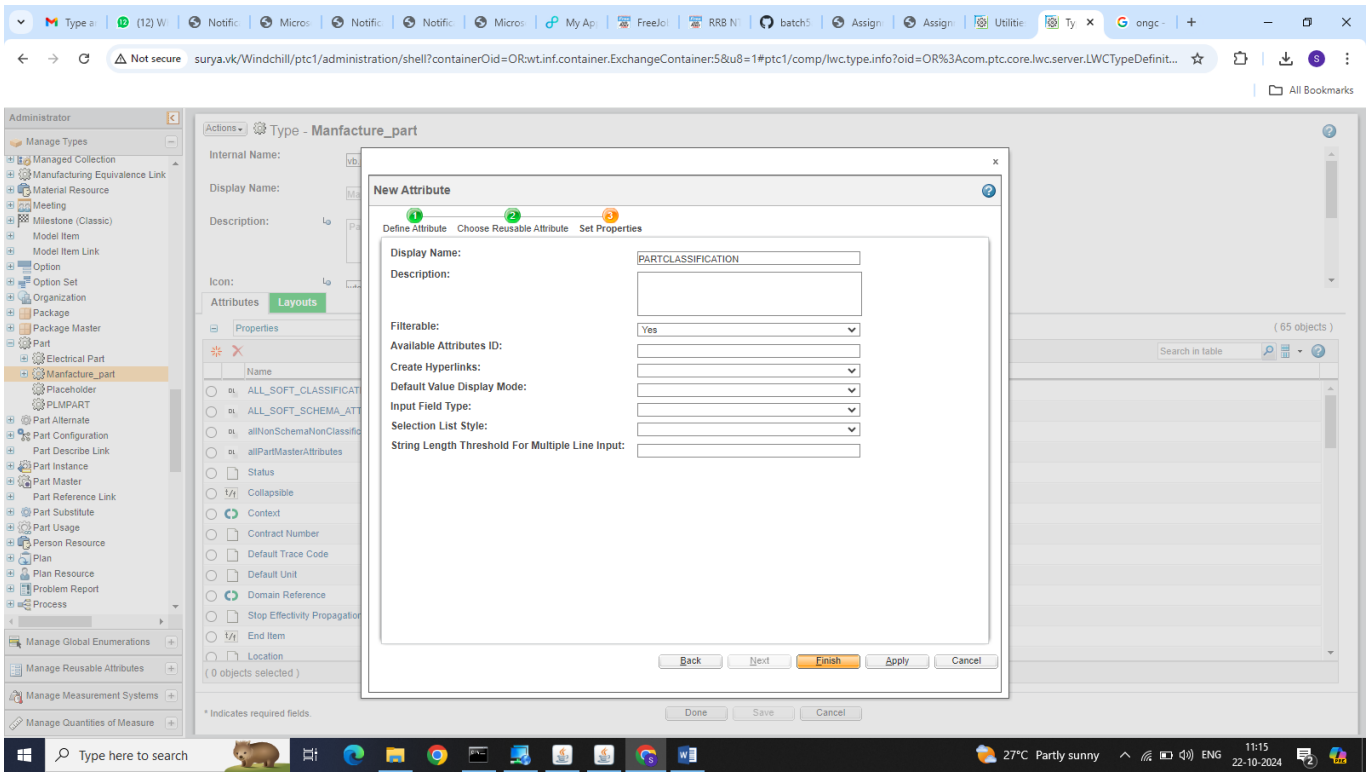
Step5: fill fields internal name: PARTCLASIFFICATION, type: Global->Next



Step6: choose appropriate folder we created in Manage Resuable Attribute->select Attribute(partClasification)->Next.



Step7: fill the relevant fields ->Finish



Step8: follow above step3 to step7 for the remaining attributes

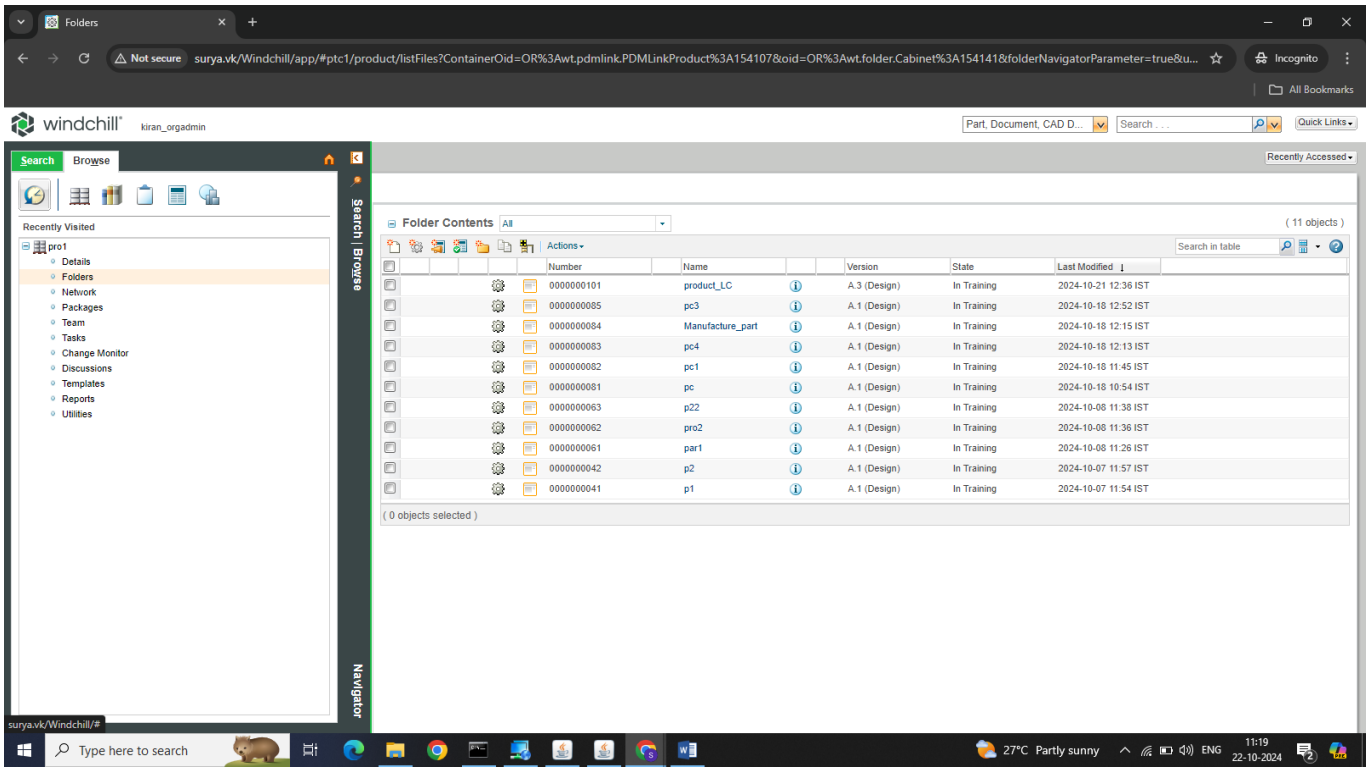
b. isDrawing (Boolean)

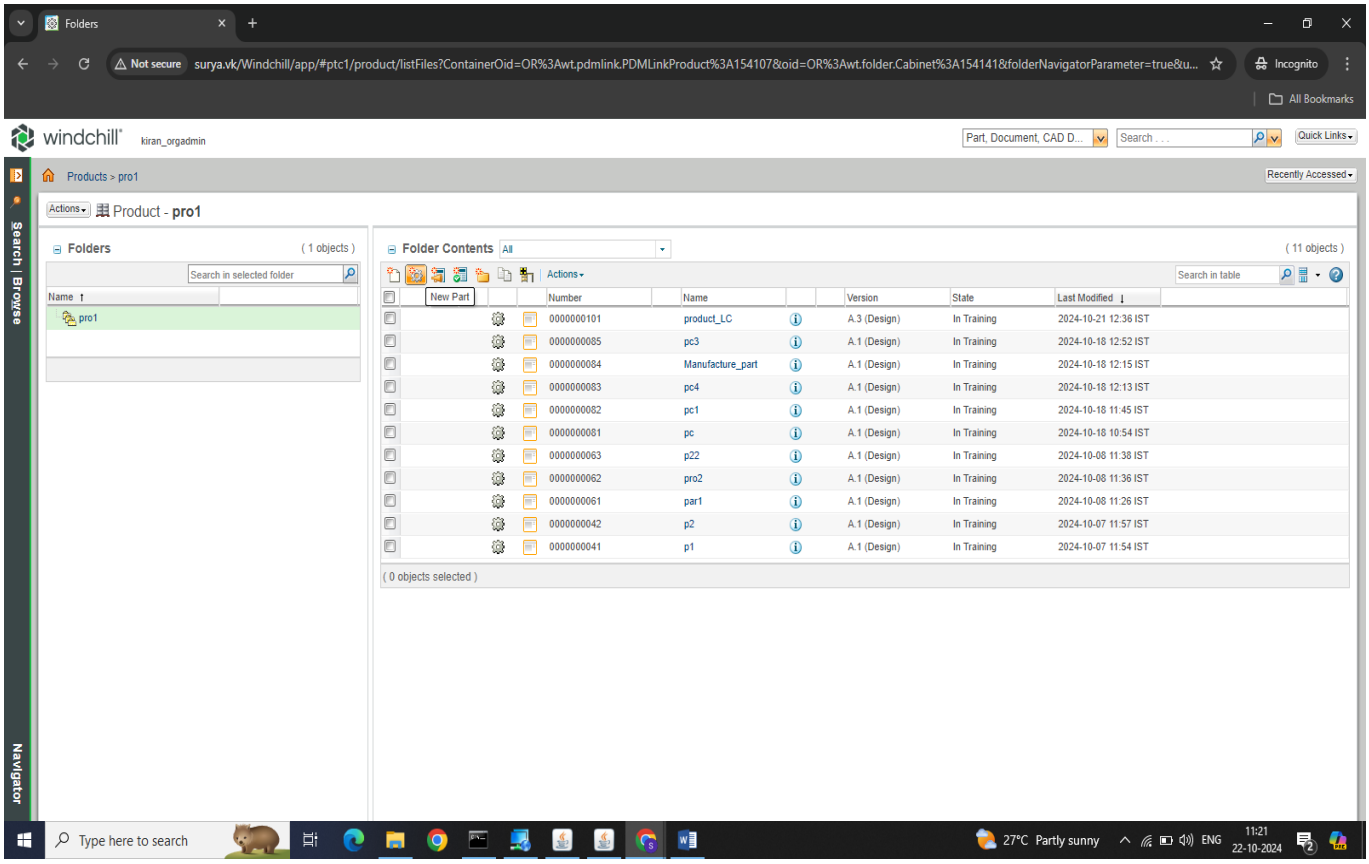
c. releaseDate (DateAndTime)

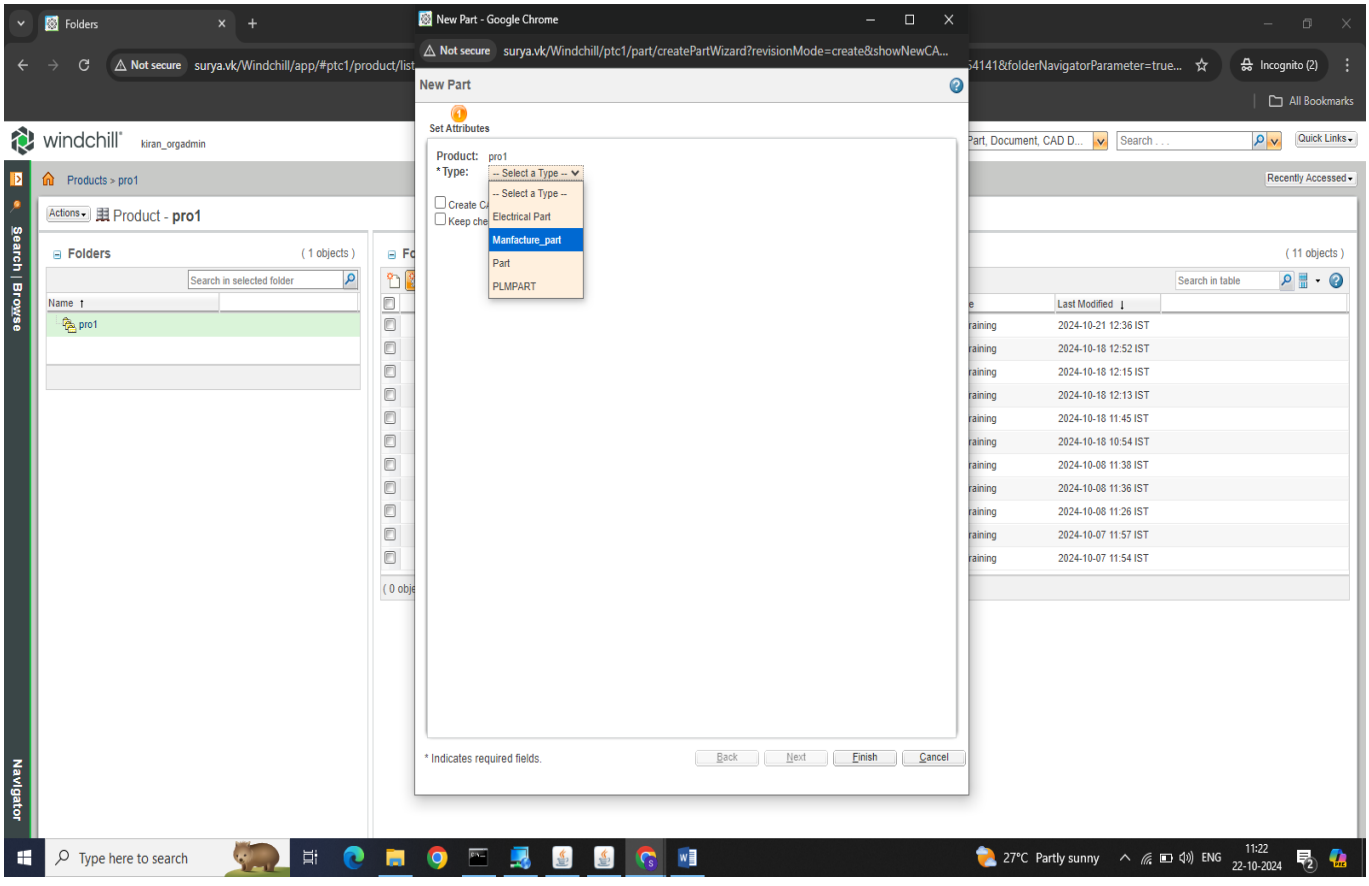
d. height (real number)

3. Create some Part objects, and populated these attributes.

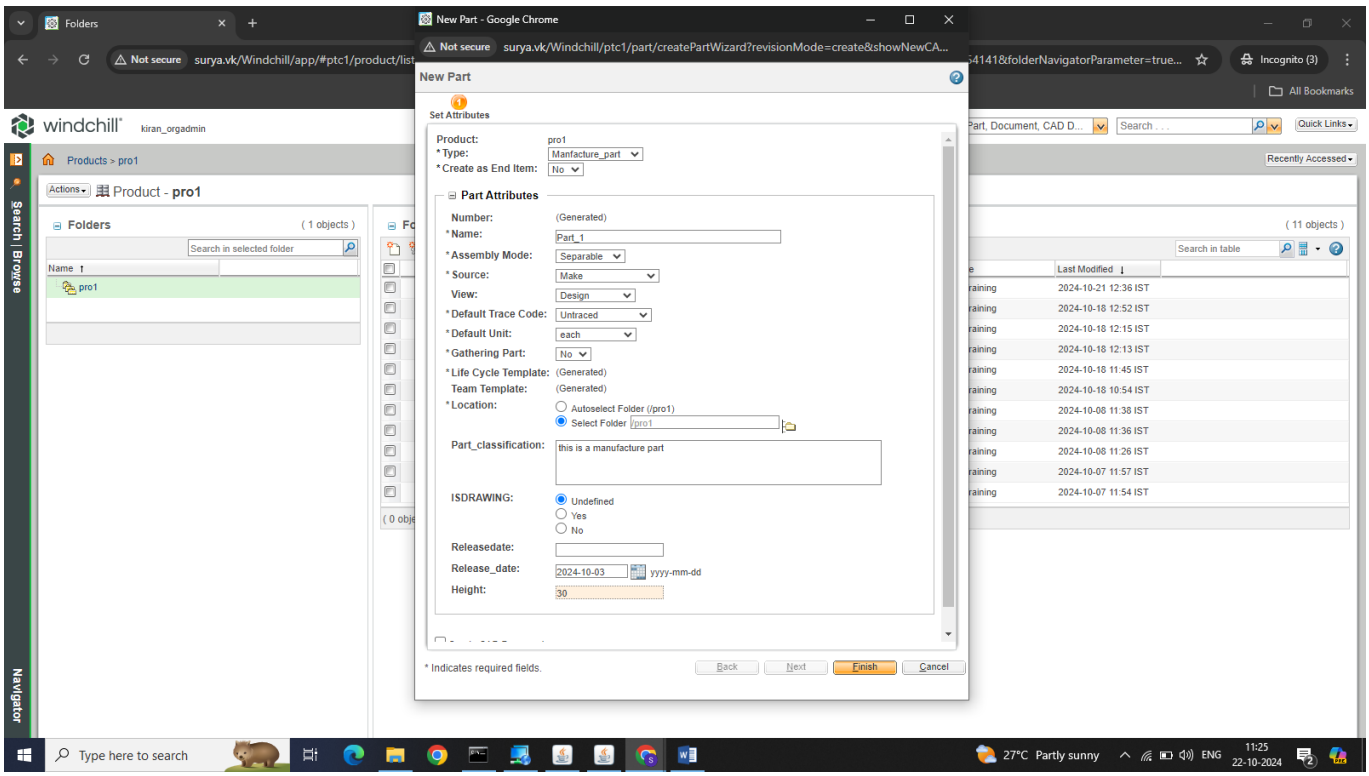
Step1: go to product->folders->create new part-> choose customized subtype part(datatype_attribute).




Folders
Not secure
surya.vk/Windchill/app/#ptc1/product/listFiles?ContainerOid=OR%3Awt.pdmlink.PDMLinkProduct%3A154107&oid=OR%3Awt.folder.Cabinet%3A154141&folderNavigatorParameter=true&u...
Incognito
All Bookmarks
windchill
kiran_orgadmin
Part, Document, CAD D...
Search . . .
Quick Links
Products > pro1
Recently Accessed
Actions
Product - pro1
Folders
(1 objects)
Search in selected folder
Name
pro1
Folder Contents
All
(11 objects)
Actions
Search in table
New Part
Number
Name
Version
State
Last Modified
0000000101 product_LC A.3 (Design) In Training 2024-10-21 12:36 IST
0000000085 pc3 A.1 (Design) In Training 2024-10-18 12:52 IST
0000000084 Manufacture_part A.1 (Design) In Training 2024-10-18 12:15 IST
0000000083 pc4 A.1 (Design) In Training 2024-10-18 12:13 IST
0000000082 pc1 A.1 (Design) In Training 2024-10-18 11:45 IST
0000000081 pc A.1 (Design) In Training 2024-10-18 10:54 IST
0000000063 p22 A.1 (Design) In Training 2024-10-08 11:38 IST
0000000062 pro2 A.1 (Design) In Training 2024-10-08 11:36 IST
0000000061 par1 A.1 (Design) In Training 2024-10-08 11:26 IST
0000000042 p2 A.1 (Design) In Training 2024-10-07 11:57 IST
0000000041 p1 A.1 (Design) In Training 2024-10-07 11:54 IST
(0 objects selected)
Search | Browse
Navigator
Type here to search
27°C Partly sunny
ENG
11:21
22-10-2024


New Part - Google Chrome
Not secure
surya.vk/Windchill/ptc1/part/createPartWizard?revisionMode=create&showNewCA...
New Part
Set Attributes
Product: pro1
*Type:
-- Select a Type --
-- Select a Type --
Electrical Part
Manfacture_part
Part
PLMPART
* Indicates required fields.
Back
Next
Finish
Cancel
Folders
windchill
kiran_orgadmin
Products > pro1
Product - pro1
Folders
(1 objects)
pro1
Search | Browse
Navigator
Type here to search
27°C Partly sunny
ENG
11:22
22-10-2024

Step2: fill values in appropriate fields as shown below->Finish



4. Create SQL query for joins as well:

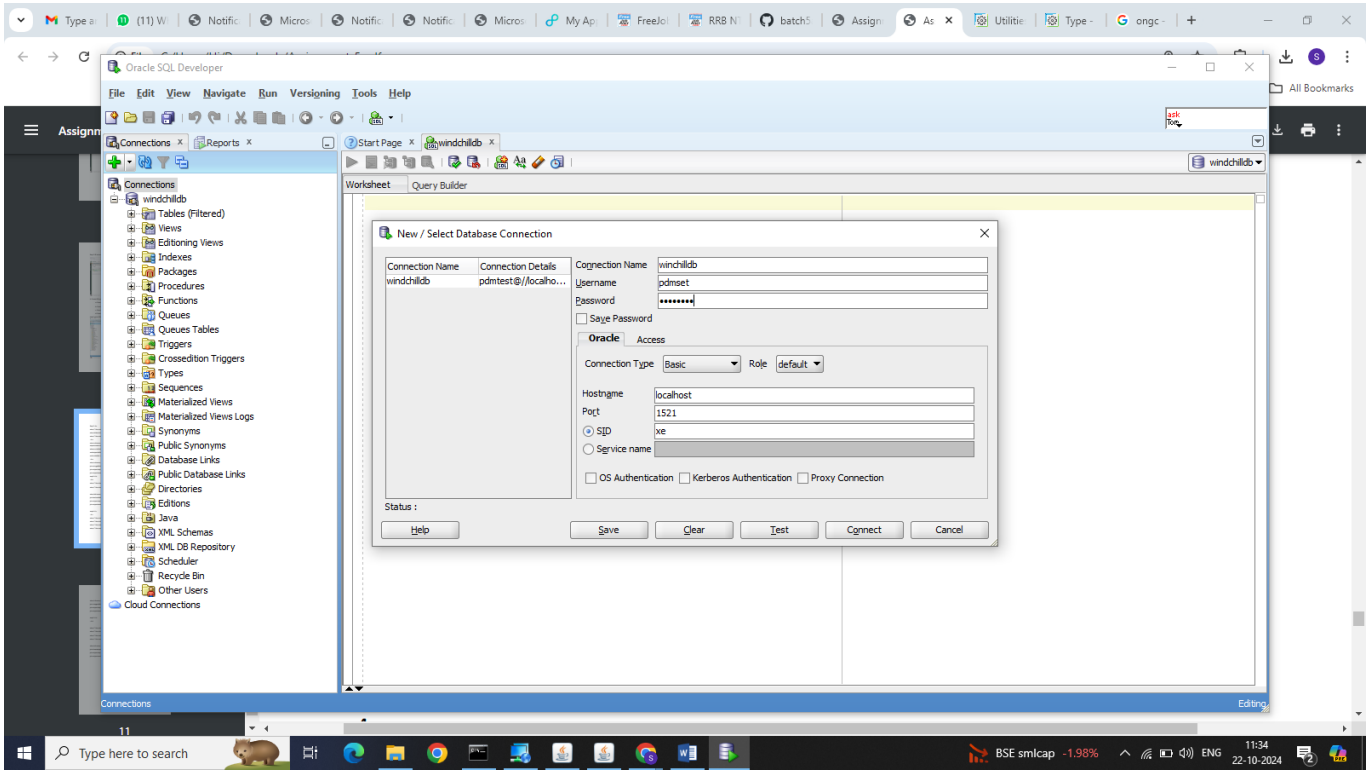
a. From StringDefinition join StringValue join WTPartMaster join WTPart

b. From booleanDefinition join booleanValue join WTPartMaster join WTPart

c. From integerDefinition join integerValue join WTPartMaster join WTPart

d. From timestampDefinition join timestamValue join WTPartMaster join WTPart

step1: go to SQL database ->select new-> fill as shown below



Step2: 4.a

```
select * from stringdefinition;
select distinct displayname from stringdefinition;
select * from stringvalue;

--4.a
 select sd.name, sv.value, wtpm.name from stringvalue sv, stringdefinition sd, wtpart wtp,
 wtpartmaster wtpm
 where sv.ida3a6 = sd.ida2a2
 and wtpm.ida2a2 = wtp.ida3masterreference
 and sv.ida3a4 = wtp.ida2a2;

 --4.a
select sd.name, sv.value, wtpm.name from stringvalue sv
join stringdefinition sd on sv.ida3a6 = sd.ida2a2
join wtpart wtp on sv.ida3a4 = wtp.ida2a2
join wtpartmaster wtpm on wtpm.ida2a2 = wtp.ida3masterreference;
```

step3: 4.b

```
 --4.b

 select * from booleandefinition;
 select * from booleanvalue;
 select bd.name, bv.value, wtpm.name from booleanvalue bv
 join booleandefinition bd on bv.ida3a6 = bd.ida2a2
 join wtpart wtp on bv.ida3a4 = wtp.ida2a2 join
 wtpartmaster wtpm on wtpm.ida2a2 = wtp.ida3masterreference;
```

step4: 4.c

```
 --4.c
select * from integervalue;
 select * from integerdefinition;
 select * from wtpart;
 select * from wtpartmaste
```

```
select id.name, iv.value , wtpm.name from integervalue iv
join integerdefinition id on iv.ida3a6 = id.ida2a2
join wtpart wtp on iv.ida3a4 = wtp.ida2a2
join wtpartmaster wtpm on wtpm.ida2a2 = wtp.ida3masterreference;
```

step5: 4.d

```
 --4.d

select * from timestampdefinition;
select * from timestampvalue;
select * from wtpart;
select ^ from wtpartmaster;


select td.name, tv.value, wtpm.name from timestampvalue tv
join timestampdefinition td on tv.ida3a6 = td.ida2a2
join wtpart wtp on tv.ida3a4 = wtp.ida2a2
join wtpartmaster wtpm on wtpm.ida2a2 = wtp.ida3masterreference;
```