Windchill Assignment 7:

Maneesh Assignment 5.

1. Create Four global attribute (Data Type)
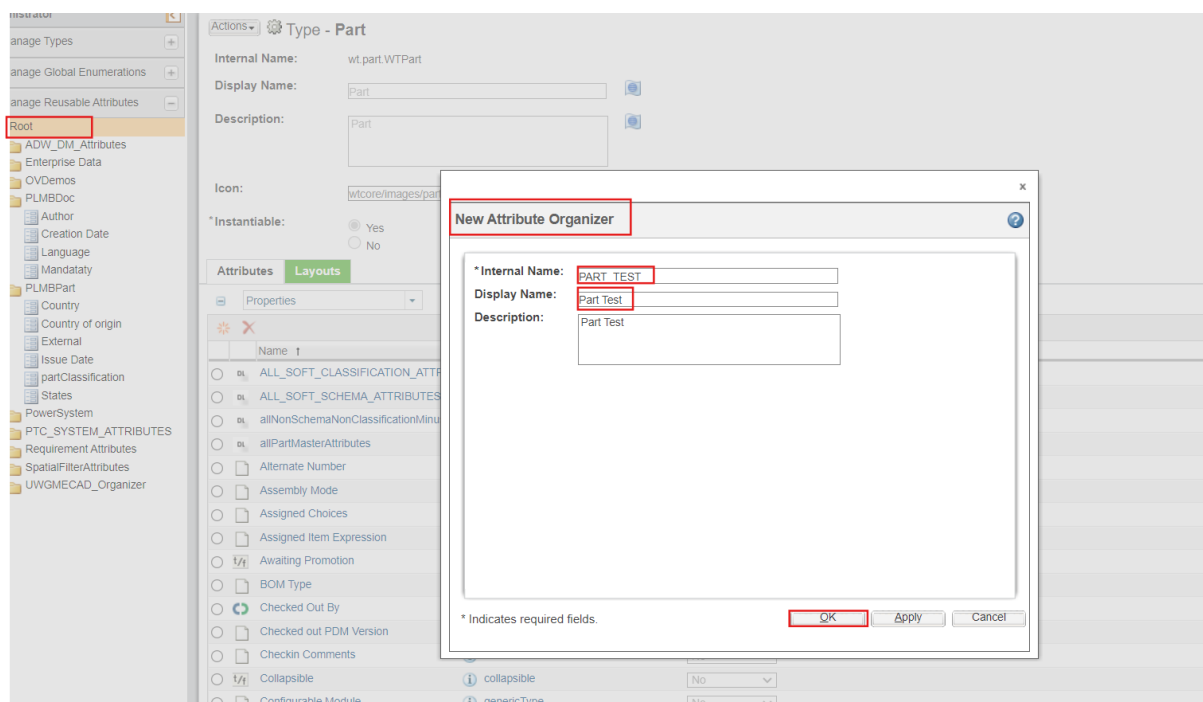
        a. partClassification (String)

        b. isDrawing (boolean)

        c. releaseDate (DateAndTime)

        d. height (real number)
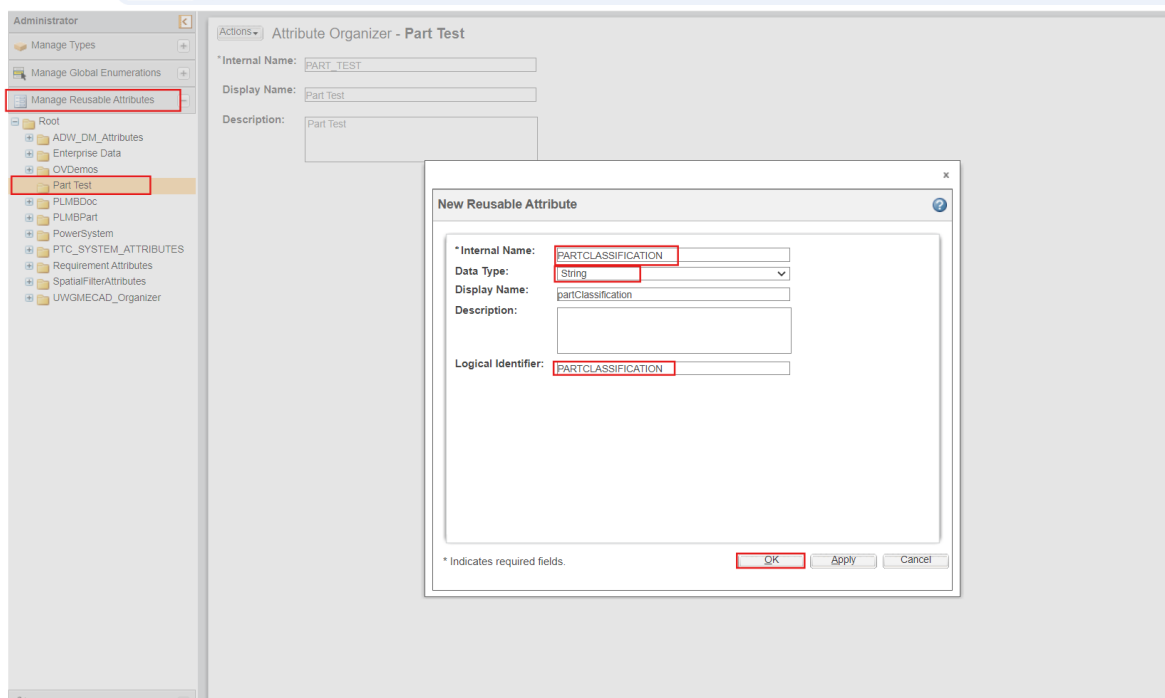
Q 1: Ans:
Steps are as follows,
Step 1: Login as Administration(wcadmin) -> under Organization (Org_Chachar2) -> utilities -> Type & Attribute Management -> Manage Reusable Attributes.

Step 2: r/c on Root -> create New Attribute Organizer -> Add Internal Name, Display name & Description, I have added as PART_TEST & Part Test -> click on OK.
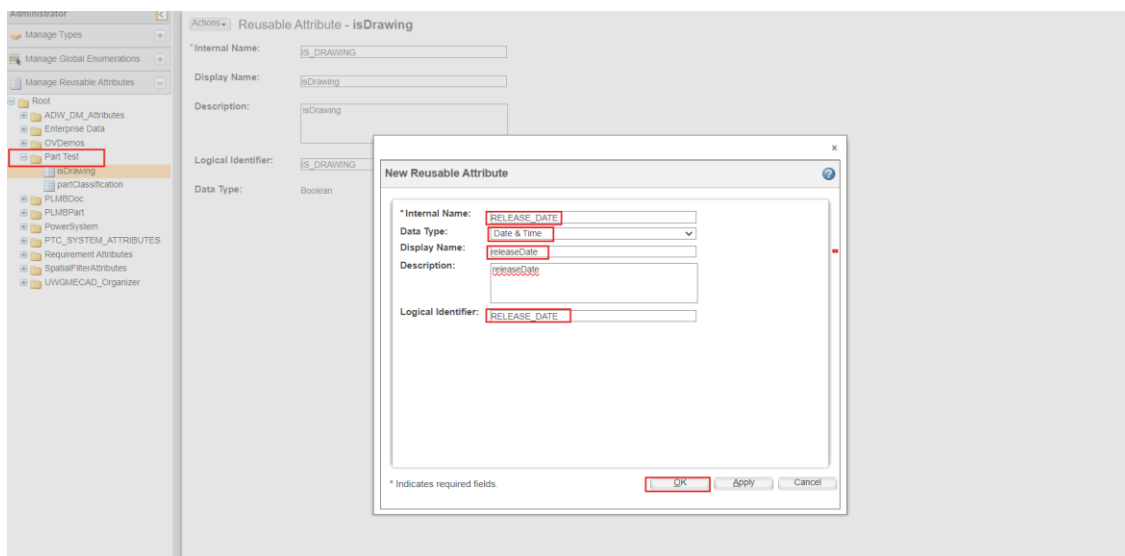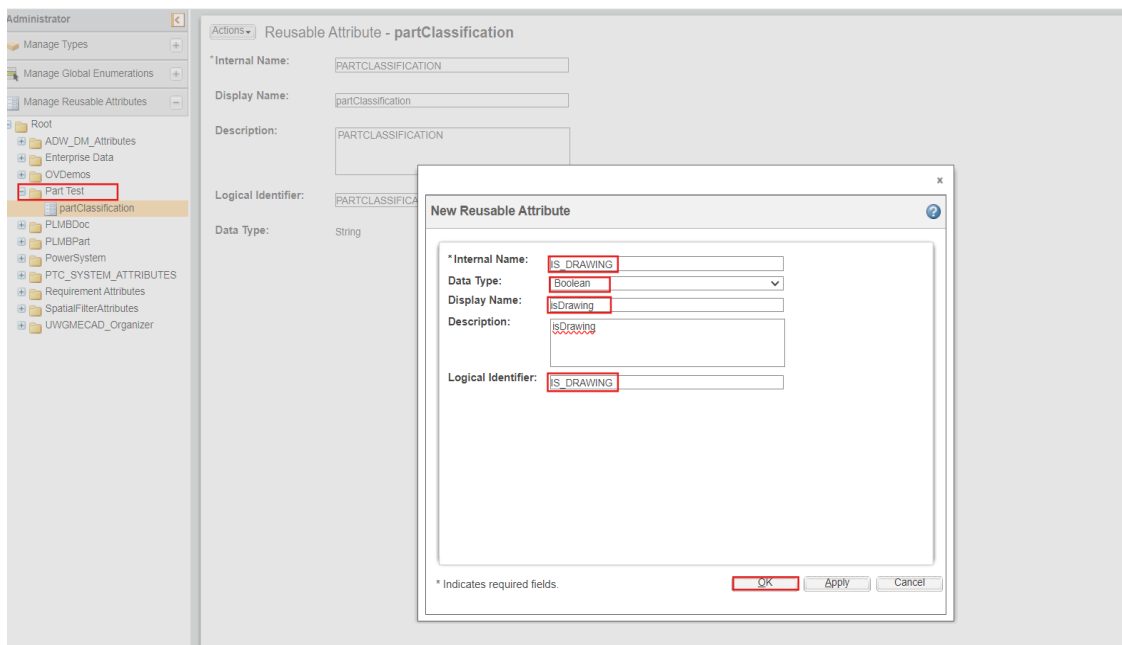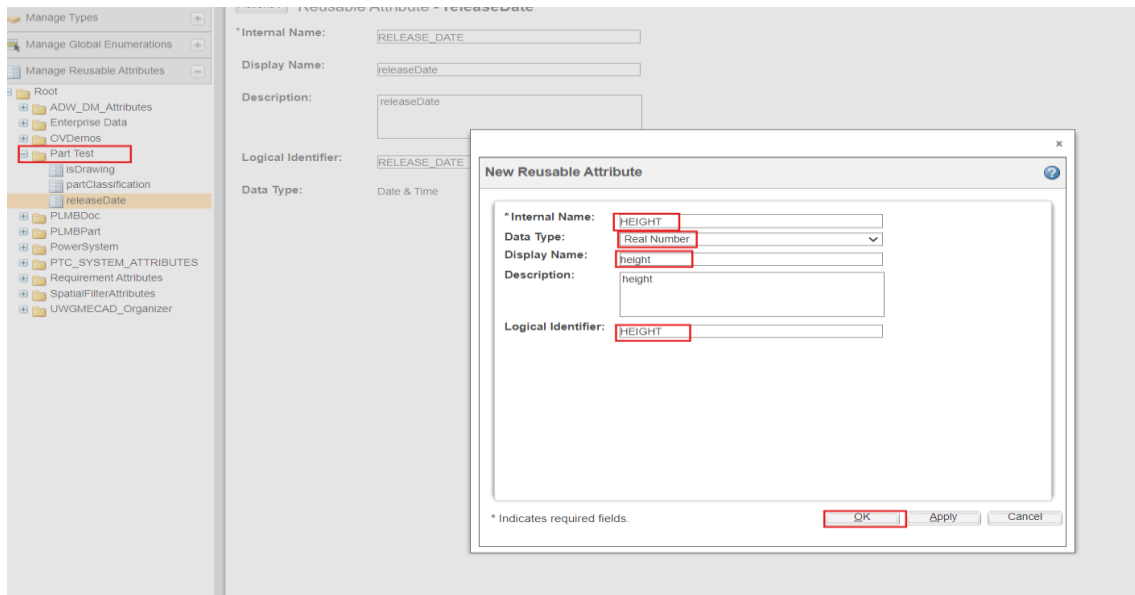

Step 3: -> r/c on Part Test -> create a New Reusable Attribute -> Add Internal Name & Data Type as per requirement as PARTCLASSIFICATION & String, Display Name as partClassification & Logical Identifier same as Internal Name ->click on Ok.

Step 4: Similarly create global reusable attributes for the remaining

b. isDrawing (Boolean)

c. releaseDate (DateAndTime)

d. height (real number) under Part Test -> then click on done button.

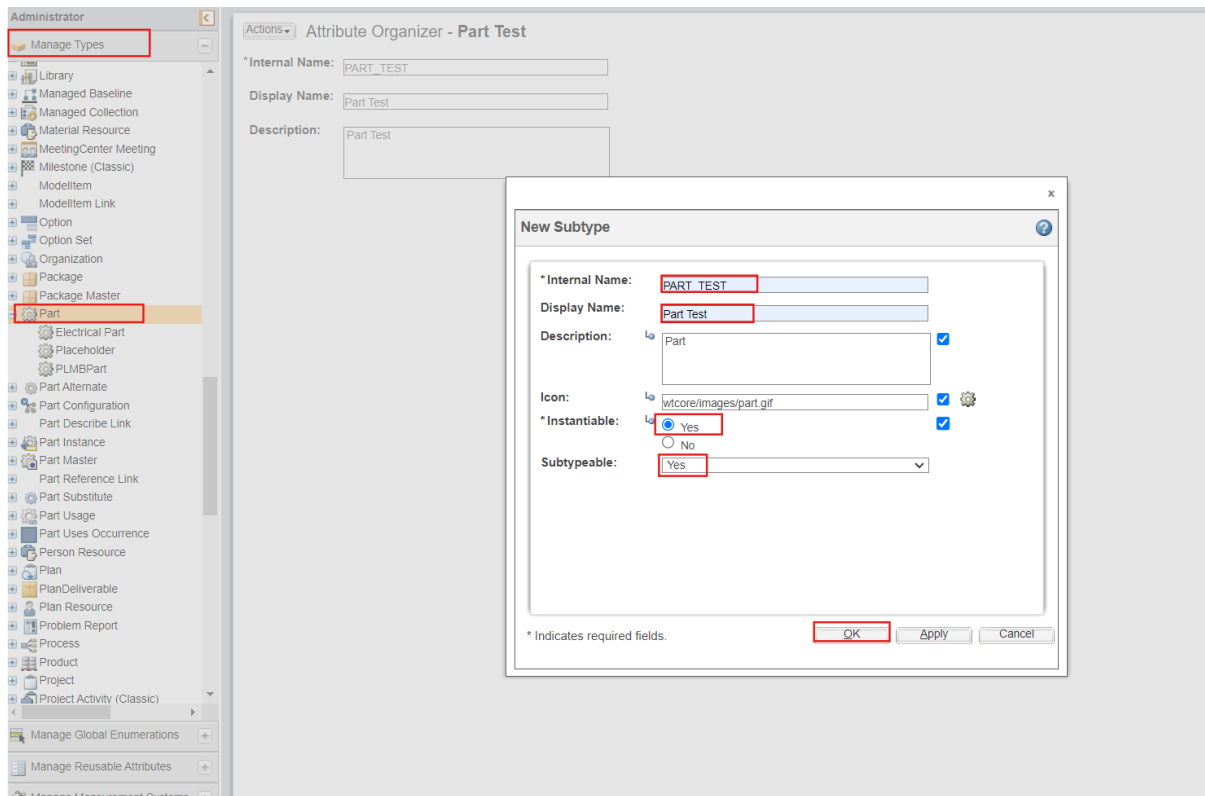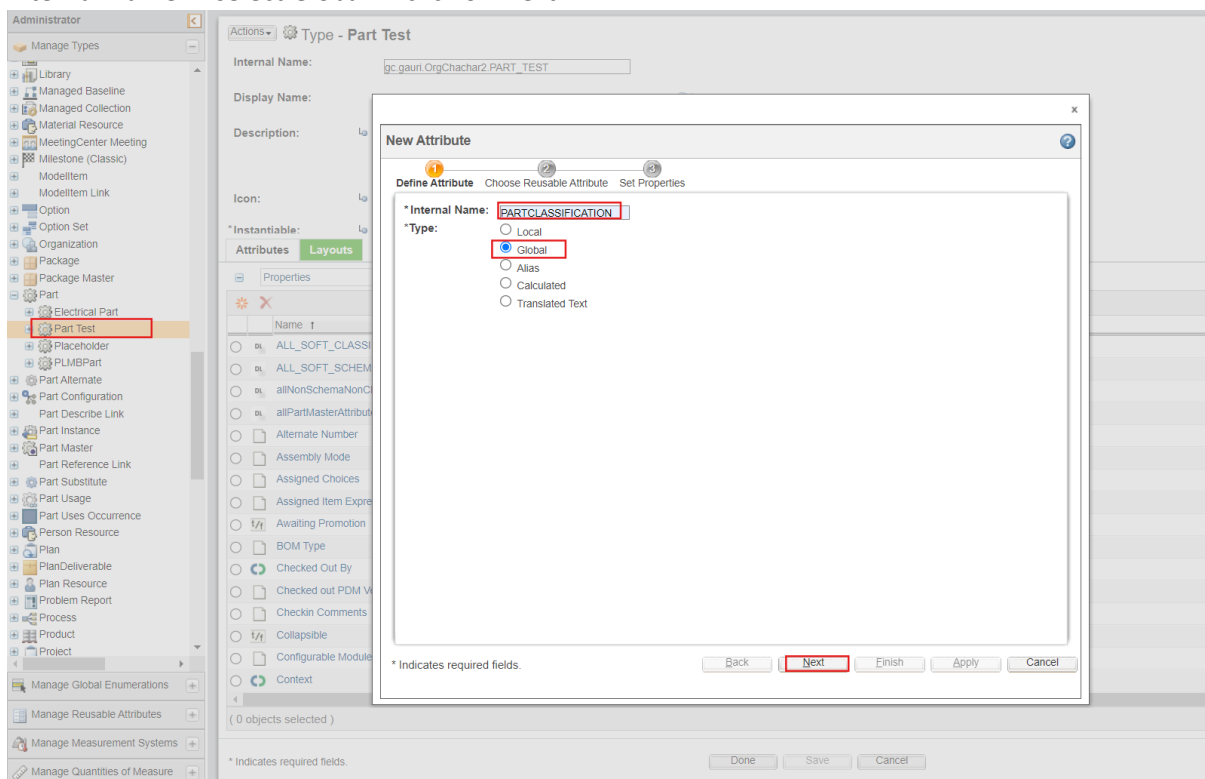**2. Use these attributes in the wt.part.WTPart Object.**
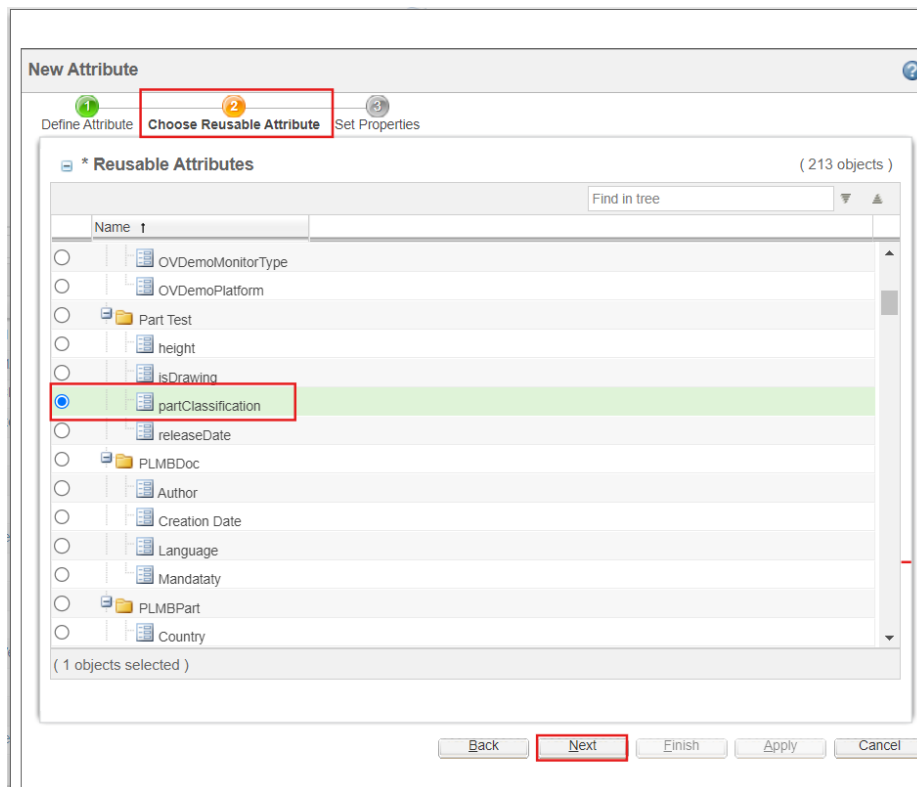
Q 2: Ans:

Step 1: Now go to Manage type -> r/c on Part -> create new subtype -> add Internal Name as PART_TEST, Display Name as Part Test, Instantiable as Yes, Subtypeable as Yes -> click on Ok.
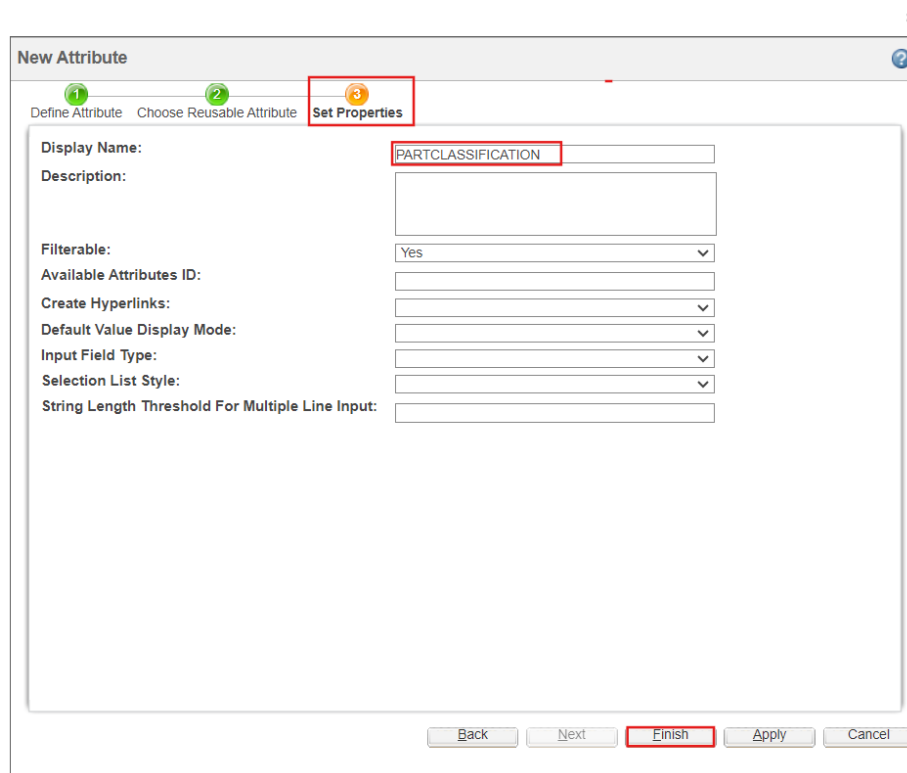
Step 4: Under Part Test -> click on edit under Action dropdown -> create a new Attribute -> Add Internal Name -> select Global -> click on Next

Under Choose Reusable Attribute -> choose partClassification under Part Test -> click on Next.

Under Set Properties -> Display Name Auto-populates -> click on Finish.

You can find the PARTCLASSIFICATION gets added under Attributes in below screenshot.

Step 5: Similarly do the same steps for the remaining attributes

b. isDrawing (Boolean)

c. releaseDate (DateAndTime)

d. height (real number).

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

Q 3: Ans:

Step 1: Login as Orgadmin (Chachar2_orgadmin) -> under Product -> Folders -> create a New Part -> here you will find all the Attributes populates which were added in Manage types 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

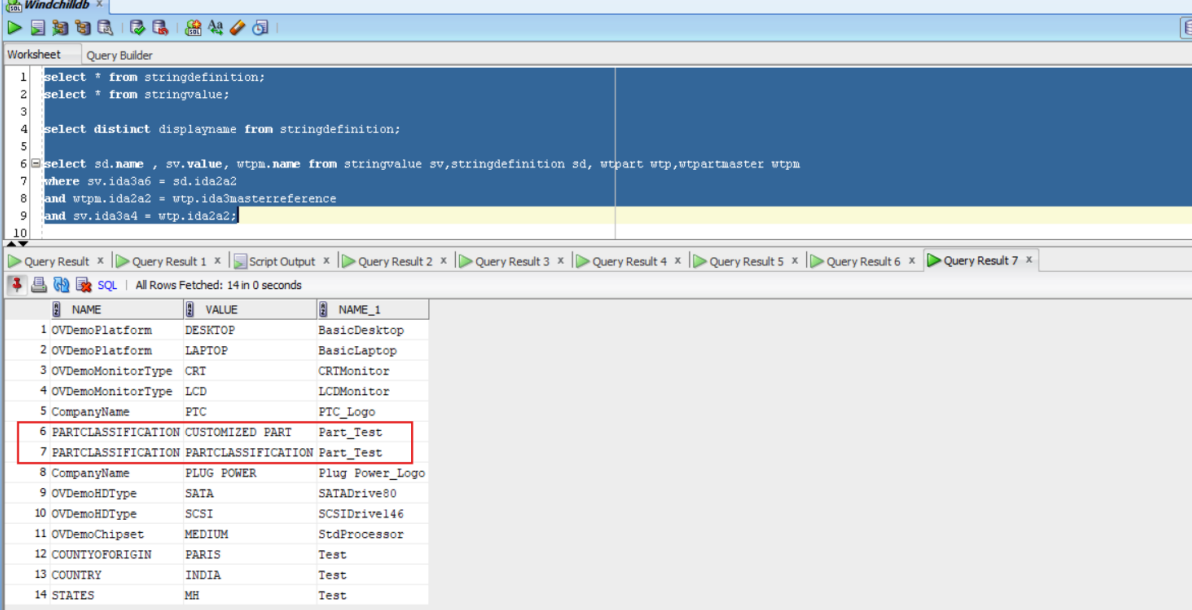**Q 4.a) From StringDefinition join StringValue join WTPartMaster join WTPart**

Ans:
Run the below query in SQL Database:
select * from stringdefinition;
select * from stringvalue;

select distinct displayname from stringdefinition;

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;

And if ask the WTPARTNUMBER, VALUE, NAME run the below query,
select sd.name, sv.value, wtpm.wtpartnumber
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.b) From booleanDefinition join booleanValue join WTPartMaster join WTPart

Ans:
Run the below query in SQL Database:

select * from booleandefinition;
select * from booleanvalue;

select bd.name , bv.value, wtpm.name from booleanvalue bv,booleandefinition bd, wtpart
wtp,wtpartmaster wtpm
where bv.ida3a6 = bd.ida2a2
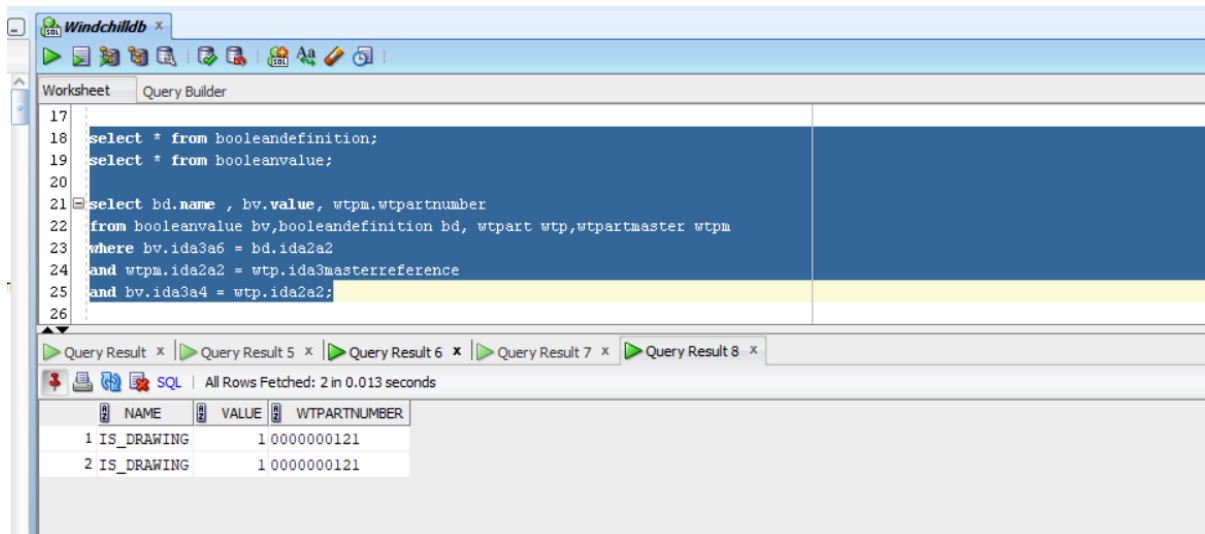and wtpm.ida2a2 = wtp.ida3masterreference
and bv.ida3a4 = wtp.ida2a2;

And if ask the WTPARTNUMBER, VALUE, NAME run the below query,
select * from booleandefinition;
select * from booleanvalue;
select bd.name , bv.value, wtpm.wtpartnumber

from booleanvalue bv,booleandefinition bd, wtpart wtp,wtpartmaster wtpm
where bv.ida3a6 = bd.ida2a2
and wtpm.ida2a2 = wtp.ida3masterreference
and bv.ida3a4 = wtp.ida2a2;

Q 4.c) From integerDefinition join integerValue join WTPartMaster join WTPart:
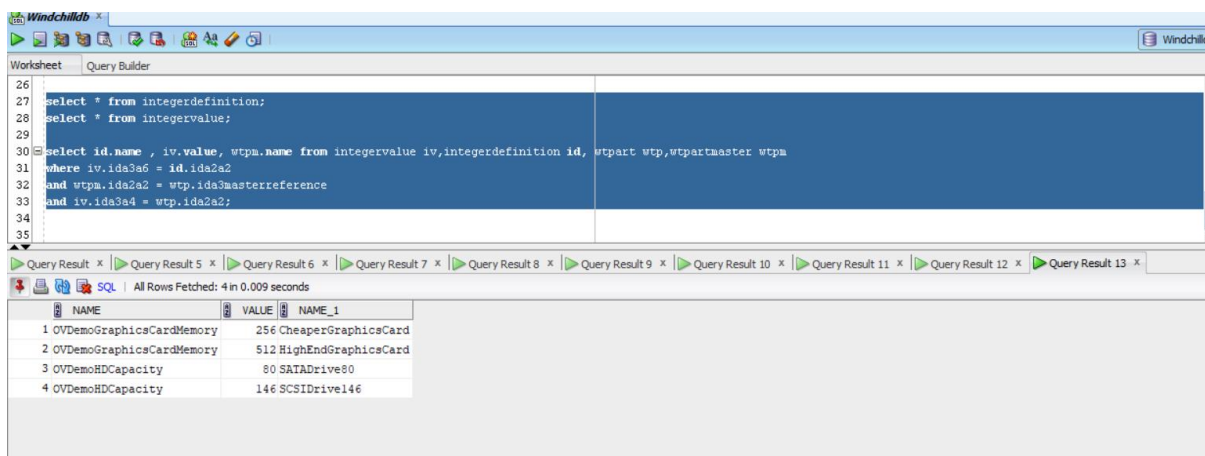
Ans:
Run the below query in SQL Database:

select * from integerdefinition;
select * from integervalue;

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

And if ask the WTPARTNUMBER, VALUE, NAME run the below query,
select * from integerdefinition;
select * from integervalue;
select id.name , iv.value, wtpm.wtpartnumber from integervalue iv,integerdefinition id, wtpart wtp,

wtpartmaster wtpm
where iv.ida3a6 = id.ida2a2
and wtpm.ida2a2 = wtp.ida3masterreference
and iv.ida3a4 = wtp.ida2a2;

Q 4.d) From timestampDefinition join timestampValue join WTPartMaster join WTPart

Ans:
Run the below query in SQL Database:

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

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

And if ask the WTPARTNUMBER, VALUE, NAME run the below query,
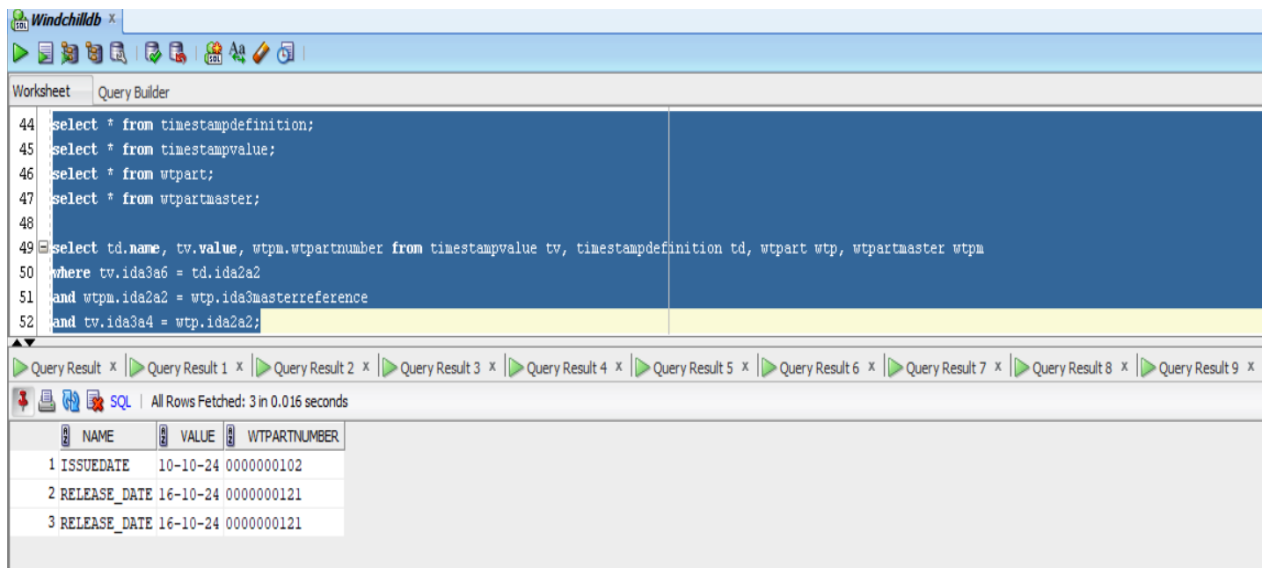select * from timestampdefinition;
select * from timestampvalue;
select * from wtpart;
select * from wtpartmaster;

select td.name, tv.value, wtpm.wtpartnumber from timestampvalue tv, timestampdefinition td, wtpart wtp, wtpartmaster wtpm
where tv.ida3a6 = td.ida2a2
and wtpm.ida2a2 = wtp.ida3masterreference
and tv.ida3a4 = wtp.ida2a2;