Question 1:

Create WTDocument, WTPart and run the checkIn, checkOut, and Revise action on the objects.Check the history of all the revisions in the history tab.

Question 2:

write a select query in the pdmtest database which returns all the part objects....

with columns having partName, partNumber, Revision + Iteration, LifeCycle, LifeCycle State, Container name,Write a select query to find all the document objects, in the result include only DocumentName, DocumentNumber, Revision+Iteration, LifeCycle, LifycycleState, Conatiner Name

Question 3:

Write a select query to find all the details of an object(WTPart, WTDocument) i.e the columns from the MasterTable and from the VersionTable partName,documentNumber='__'

Question 4:

Create a document in one of the library..

Write a query to find all the documents which are in library.Write a query to print the Library Container name of a given document number   (document Number used here should be of the document residing in Library Container)

question 1:

output:

Actions ▾ ⚙ Part - 0000000305, P_003, A.1 (Design)

| Details | Structure | Related Objects | Changes | History | Where Used | Traceability | ⊕ |

Visualization and Attributes | More Attributes

Visualization and Attributes

Name: P_003
Status: Working copy, checked-out to you (Go to Original Version)
Modified By: thogata_orgadmin
Last Modified: 2024-09-25 20:06 IST

⊟ **General**

Assembly Mode:	Separable	End Item:	No
Source:	Make	Default Unit:	each
Gathering Part:	No	Default Trace Code:	Untraced

⊟ **Type Attributes**

Capacity:
Hheight:
ManufacturerName:

⊟ **System**

State:	In Work - Released - Canceled		
Context:	Product_!	Location:	/Product_!
Life Cycle Template:	Basic	Team Template:	
Created By:	thogata_orgadmin	Modified By:	thogata_orgadmin
Created On:	2024-09-25 19:58 IST	Last Modified:	2024-09-25 20:06 IST

step2:

Products > Product_!

Actions ▾ ⚙ Part - 0000000305, P_003, C.1 (Design)

| Details | Structure | Related Objects | Changes | History | Where Used | Traceability | ⊕ |

Version History | Timeline

Version History General

		Version ↓			State	Comments	Modified By	Last Modified	Authorization	Predecessor	Revision
☐		C.1 (Design)	①		In Work		thogata_orgadmin	2024-09-26 21:42 IST	thogata_orgadmin		C
☐		B.2 (Design)	①		In Work	height has been edited	thogata_orgadmin	2024-09-26 21:42 IST			B
☐		B.1 (Design)	①		In Work		thogata_orgadmin	2024-09-26 21:39 IST	thogata_orgadmin		B
☐		A.4 (Design)	①		In Work	height is changed	thogata_orgadmin	2024-09-26 21:38 IST			A
☐		A.3 (Design)	①		In Work		thogata_orgadmin	2024-09-26 21:37 IST			A
☐		A.2 (Design)	①		In Work		thogata_orgadmin	2024-09-26 21:36 IST			A
☐		A.1 (Design)	①		In Work		thogata_orgadmin	2024-09-25 19:58 IST	thogata_orgadmin		A

(0 objects selected)

⊟ Timeline History

● C.1 (Design) State Changed To 'In Work'
● B.1 (Design) State Changed To 'In Work'
● A.1 (Design) State Changed To 'In Work'

question 2:

select wtpartmaster.name,

        wtpartmaster.wtpartnumber,

```sql
        wtpart.versionida2versioninfo,

        wtpart.ITERATIONIDA2ITERATIONINFO,

        lifecycletemplatemaster.name,

        wtpart.statestate,

        pdmlinkproduct.NAMECONTAINERINFO from wtpart

inner join

wtpartmaster on wtpart.ida3masterreference = wtpartmaster.ida2a2

inner join

pdmlinkproduct on wtpart.ida3containerreference = pdmlinkproduct.ida2a2

inner join

lifecycletemplate on wtpart.ida3a2state = lifecycletemplate.ida2a2

inner join

lifecycletemplatemaster on lifecycletemplate.ida3masterreference = lifecycletemplatemaster.ida2a2;
```

```
select wtpartmaster.name,
       wtpartmaster.wtpartnumber,
       wtpart.versionida2versioninfo,
       wtpart.ITERATIONIDA2ITERATIONINFO,
       lifecycletemplatemaster.name,
       wtpart.statestate,
       pdmlinkproduct.NAMECONTAINERINFO

from wtpart

inner join
wtpartmaster on wtpart.ida3masterreference = wtpartmaster.ida2a2
inner join
pdmlinkproduct on wtpart.ida3containerreference = pdmlinkproduct.ida2a2
inner join
lifecycletemplate on wtpart.ida3a2state = lifecycletemplate.ida2a2
inner join
lifecycletemplatemaster on lifecycletemplate.ida3masterreference = lifecycletemplatemaster.ida2a2;
```

Query Result ×

SQL | All Rows Fetched: 86 in 0.025 seconds

NAME	WTPARTNUMBER	VERSIONIDA2VERSIONINFO	ITERATIONIDA2ITERATIONINFO	NAME_1	STATESTATE	NAMECONTAINER
57 bracket	0000000043	D	1	TestLCGlobal	ASSIGNED	tyre
58 bracket	0000000043	D	2	TestLCGlobal	ASSIGNED	tyre
59 bracket	0000000043	C	1	TestLCGlobal	ASSIGNED	tyre
50 bracket	0000000043	A	1	TestLCGlobal	CREATION	tyre
51 bracket	0000000043	D	2	TestLCGlobal	ASSIGNED	tyre
52 bracket	0000000081	A	1	TestLCGlobal	CREATION	Super Drones
53 bracket	0000000081	A	1	TestLCGlobal	CREATION	Super Drones
54 cp-01	0000000161	A	1	TestLCGlobal	CREATION	tyre
55 fastener	0000000243	A	1	TestLCGlobal	CREATION	tata wheels
56 part	0000000101	A	2	TestLCGlobal	CREATION	Super Drones
57 part	0000000101	A	1	TestLCGlobal	CREATION	Super Drones
58 part1	0000000223	C	1	TestLCGlobal	ASSIGNED	Super Drones
59 part1	0000000223	C	1	TestLCGlobal	ASSIGNED	Super Drones
70 part1	0000000223	B	2	TestLCGlobal	ASSIGNED	Super Drones

for question 2: 2.1:

select * from wtdocument where ida3masterreference='84505';

select * from wtdocumentmaster;

select * from wtdocumentmaster where wtdocumentnumber= '0000000042';

select dm.name,

dm.wtdocumentnumber,

d.versionida2versioninfo,

d.ITERATIONIDA2ITERATIONINFO,
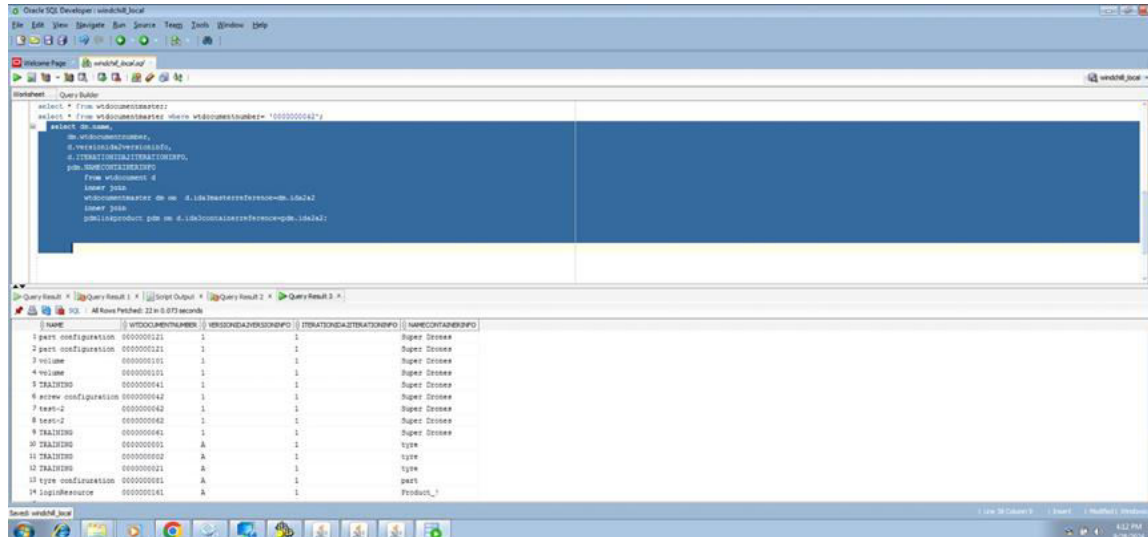
pdm.NAMECONTAINERINFO

from wtdocument d

inner join

wtdocumentmaster dm on   d.ida3masterreference=dm.ida2a2

inner join

pdmlinkproduct pdm on d.ida3containerreference=pdm.ida2a2;

query 3;

/*select * from wtpart;

select * from wtpartmaster

join wtpart on wtpartmaster.ida2a2=wtpart.ida3masterreference where wtpartnumber='0000000263';*/

select * from epmdocumentmaster

join epmdocument on epmdocumentmaster.ida2a2=epmdocument.ida3masterreference where name= 'Bracket';

question 4;

query 4.1

select wtlibrary.NAMECONTAINERINFO,

        wtdocumentmaster.wtdocumentnumber,

        wtdocumentmaster.name

from wtlibrary

inner join

wtdocument on   wtlibrary.ida2a2 = wtdocument.ida3containerreference

inner join

wtdocumentmaster on wtdocument.ida3masterreference = wtdocumentmaster.ida2a2 where

wtdocument.classnamekeycontainerreferen like '%l%' and

  wtlibrary.NAMECONTAINERINFO='L--001';
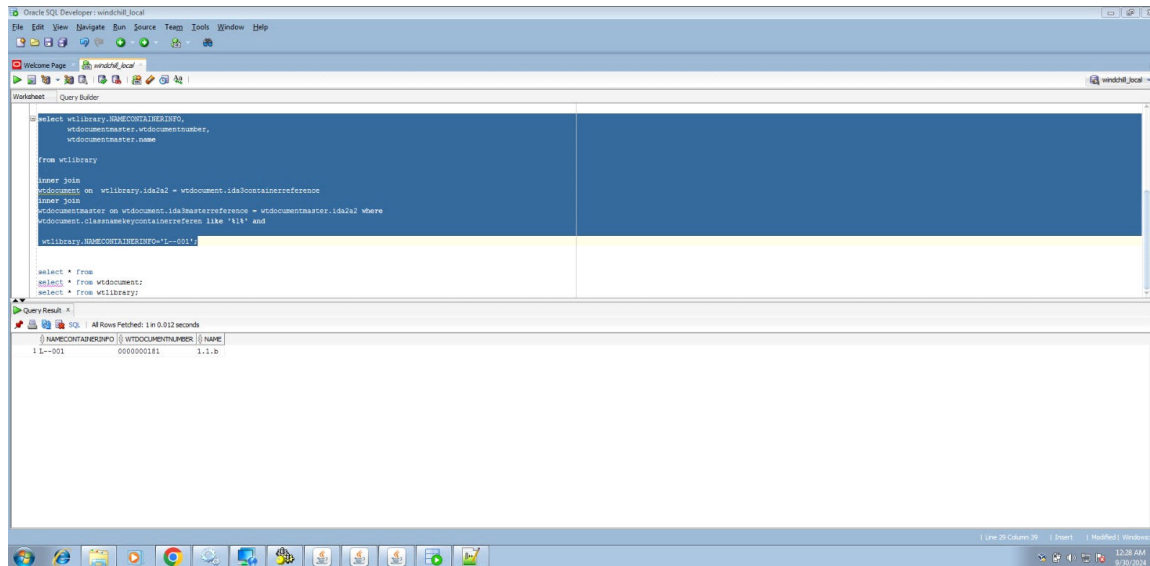
query 4.2

select wtlibrary.namecontainerinfo,wtdocumentnumber,wtdocumentmaster.name

from wtlibrary

inner join wtdocument on wtlibrary.ida2a2=wtdocument.ida3containerreference

inner join wtdocumentmaster on wtdocument.ida3masterreference=wtdocumentmaster.ida2a2 where

wtdocumentmaster.wtdocumentnumber= '0000000181';