

Assignment-3:

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, LifecycleState,
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 where the partName,documentNumber='__'

Question 4:

Create a document in one of the library..

Write a query to find all the documents which are in library.

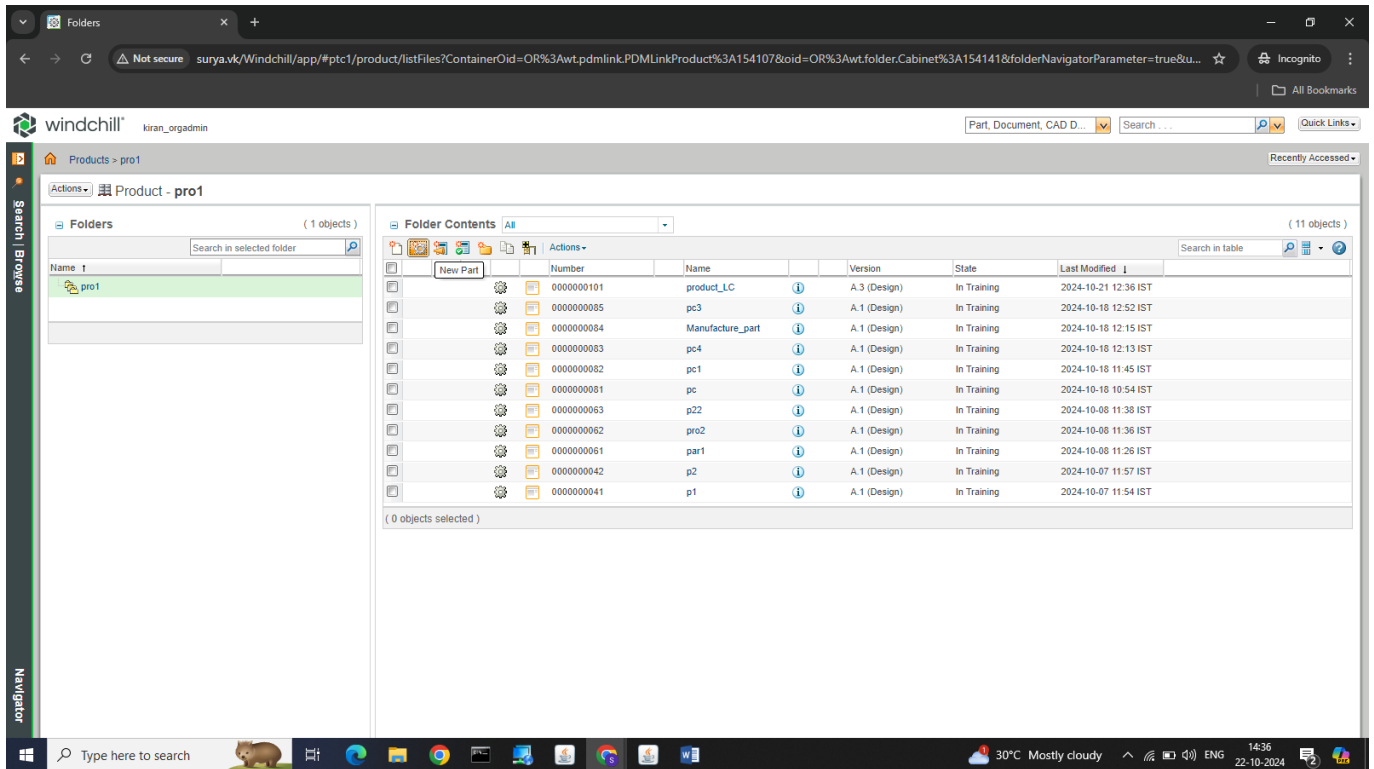
Write a query to print the Library Container name of a given document number. (the
document Number used here should be of the document residing in Library Container)

Question 1:

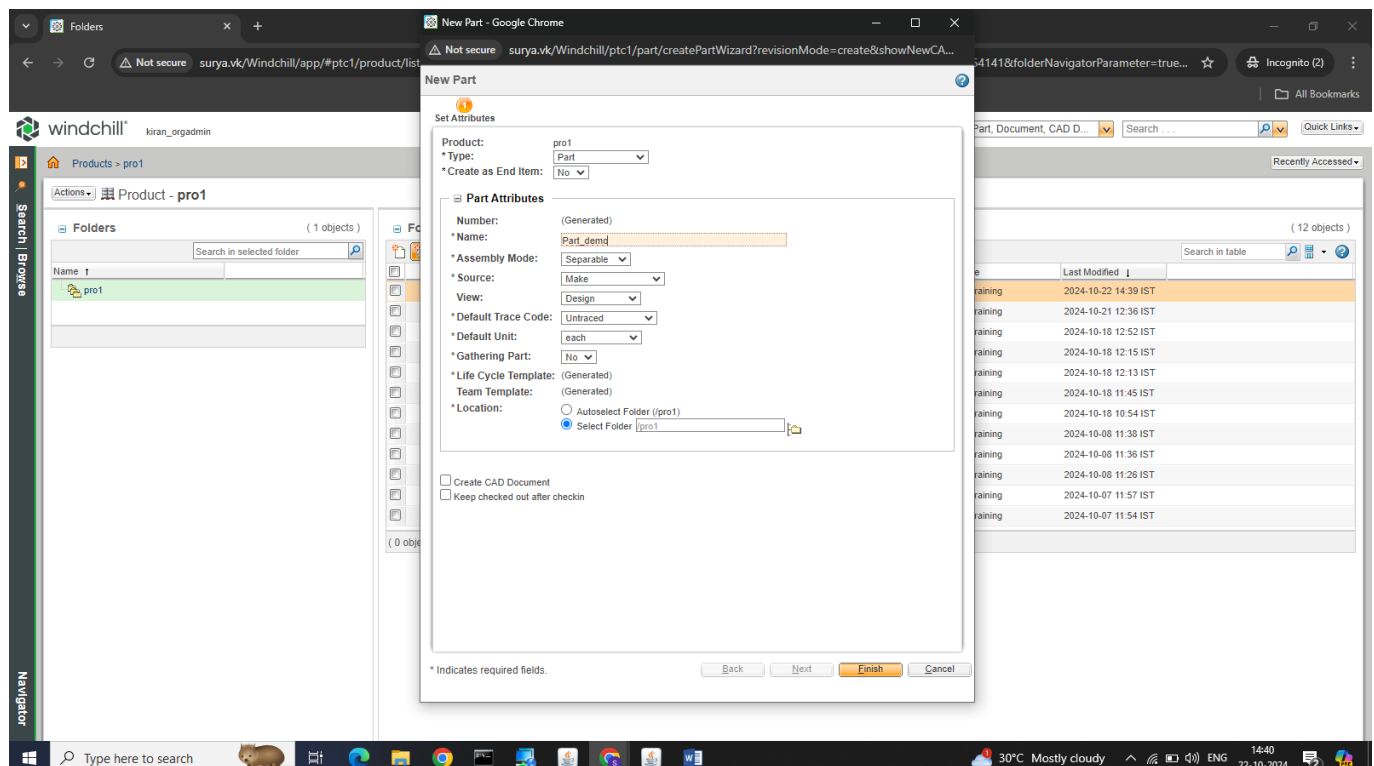
Create WTDocument, WTPart and run the checkIn, checkOut, and Revise action on the objects.

Check the history of all the revisions in the history tab.

Step1: login as a org -> choose product->folders-> create new part



Step2: fill the relevant fields ->finish



Step3: create new document -> fill relevant details in appropriate fields->next

The screenshot shows the 'New Document' dialog in Windchill. The 'Set Attributes' tab is active, displaying fields for Product (pro1), Type (Document), and Template. The 'Primary Content Source' is set to 'Local File'. The 'Attributes' section includes fields for Number (Generated), Name, Description, Location (Autoselect Folder (pro1)), Life Cycle Template (Generated), and Team Template (Generated). There is a checkbox for 'Keep checked out after checkin'. The dialog has 'Back', 'Next', 'Finish', and 'Cancel' buttons at the bottom.

The screenshot shows the 'New Document' dialog in Windchill, now with the 'Set Attachments' tab active. It displays a table for attachments with columns for 'Attach new local file', 'URL/External Location', and 'Attachment Description'. The table is currently empty, showing '(0 objects selected)'. The dialog has 'Back', 'Next', 'Finish', and 'Cancel' buttons at the bottom.

Step4: attach new reference file if we have (optional)->finish

Step5: go to details tab of document or part

Step6: choose Actions->check-out (if we do any modifications) and check-in after modifications done.

Step7: select any part or document go to Actions ->Revise-> ok

The screenshot shows the Windchill web interface. On the left, a vertical navigation bar contains 'Search | Browse' and 'Navigation'. A context menu is open, listing various actions. The 'Revise' option is highlighted. The main content area displays 'demo, A.1 (Design)' with tabs for 'Changes', 'History', 'Where Used', and 'Traceability'. Below these tabs, a 'Visualization and Attributes' section shows details for 'part_Demo', including its status ('Checked in'), modified by ('kiran_organadmin'), and last modified date ('2024-10-22 14:39 IST').

Part - 0000000121, part_Demo

Part, Document, CAD D...

demo, A.1 (Design)

Changes History Where Used Traceability New Tab 1 New Tab 2

Visualization and Attributes

Name: part_Demo
Status: Checked in
Modified By: kiran_organadmin
Last Modified: 2024-10-22 14:39 IST

No
each
ode: Untraced

w - Implementation - Released - Canceled

Location: /pro1
Team Template: kiran_organisation
Modified By: kiran_organadmin
Last Modified: 2024-10-22 14:39 IST

javascriptvar abc = doNothing()

The screenshot shows the 'Revise' dialog box. At the top, it says 'Current Settings: No dependents, Latest : Design, Working'. Below this is an 'Object List' section with a table containing one object. The table has columns for 'Number', 'Version', 'Name', 'New Revision', 'Location', 'New State', and 'Collection Rule'. The object listed is '0000000121' with version 'A.1 (D... part_Demo)' and new revision 'B'. The location is '/pro1' and the new state is 'Under Review'. The collection rule is 'Initially Selected'. At the bottom right, there are 'OK' and 'Cancel' buttons.

Revise

Current Settings: No dependents, Latest : Design, Working

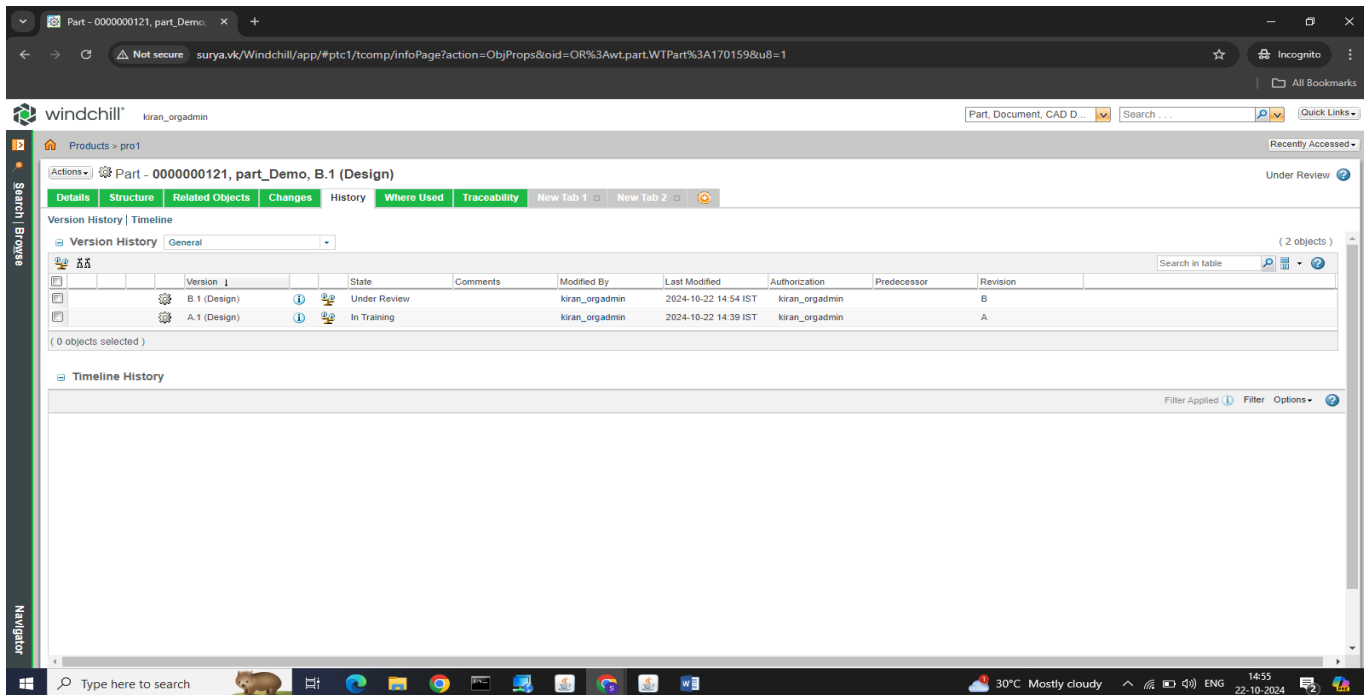
Object List As a List All (1 of 1 objects)

| Number | Version | Name | New Revision | Location | New State | Collection Rule |
|------------|---------------------|------|--------------|----------|--------------|--------------------|
| 0000000121 | A.1 (D... part_Demo | | B | /pro1 | Under Review | Initially Selected |

(0 objects selected)

OK Cancel

Step8: go to history tab check the version is change or not



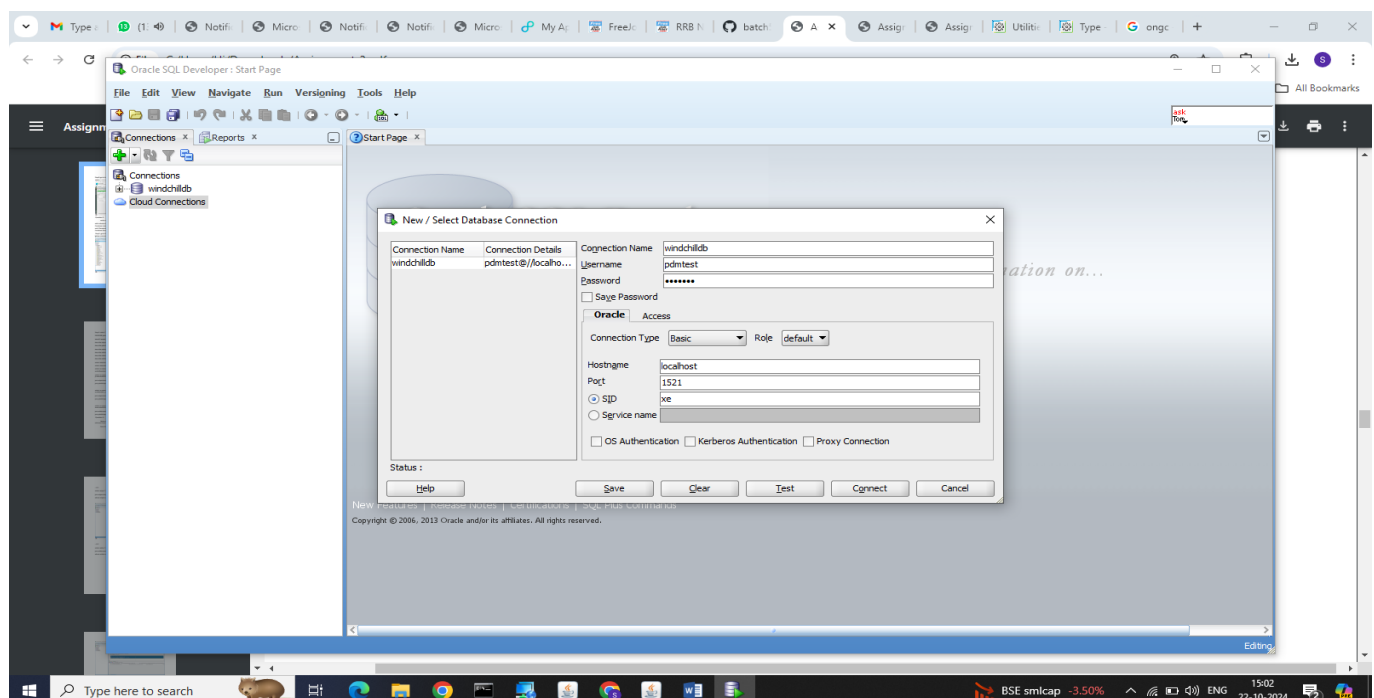
Question 2:

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, LifecycleState, Conatiner Name

Step1: go to SQL developer data base -> select new connection-> fill the details as shown below->connect



```

Step2: select * from PDMTEST.wtpart;
DESCRIBE pdmtest.wtpart;
SELECT NAME, PARTNUMBER FROM pdmtest.wtpartmaster fetch first 10 rows
only;
describe wtpartmaster; --part master table
describe pdmlinkproduct; --product container table
describe wtdocument; -- product and library of document and part info table
describe wtdocumentmaster; --product document and part info master table
describe cabinet; --library document table
describe wtlibrary; --library container(master) table
select stateiterationinfo from wtdocument;
select statestate from wtdocument;
select m.name, m.wtpartnumber, w.*, m.* from wtpart w join wtpartmaster m on
w.ida3masterreferencem.ida2a2 where m.wtpartnumber='0000000001';
select m.name, m.wtpartnumber, w.iterationida2iterationinfo, w.statestate,
p.namecontainerinfo, w.* from wtpart w
join wtpartmaster m on w.ida3masterreference = m.ida2a2
join pdmlinkproduct p on p.ida2a2 = w.ida3containerreference;

select m.name, m.wtpartnumber,w.iterationida2iterationinfo, w.versionida2versioninfo,
w.statestate, p.namecontainerinfo, w.* from wtpart w
join wtpartmaster m on w.ida3masterreference = m.ida2a2
join pdmlinkproduct p on p.ida2a2 = w.ida3containerreference;

select m.name, m.wtdocumentnumber,w.iterationida2iterationinfo,
w.versionida2versioninfo, w.statestate , p.namecontainerinfo from wtdocument w
join wtdocumentmaster m on w.ida3masterreference = m.ida2a2
join pdmlinkproduct p on p.ida2a2 = w.ida3containerreference;

```

Question 3:

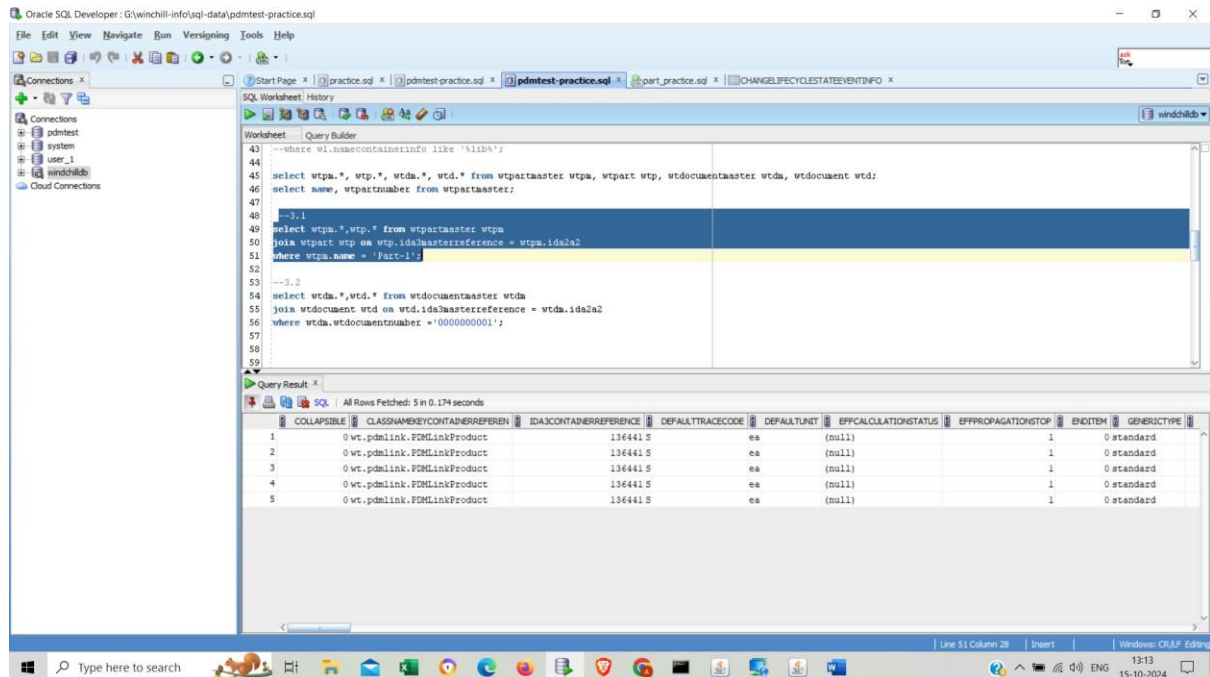
Write a select query to find all the details of an object(WTPart, WTDocument) i.e the columns from the MasterTable and

from the VersionTable where the partName,documentNumber='__'

--3.1

select wtpm.*,wtp.* from wtpartmaster wtpm

join wtpart wtp on wtp.ida3masterreference = wtpm.ida2a2where



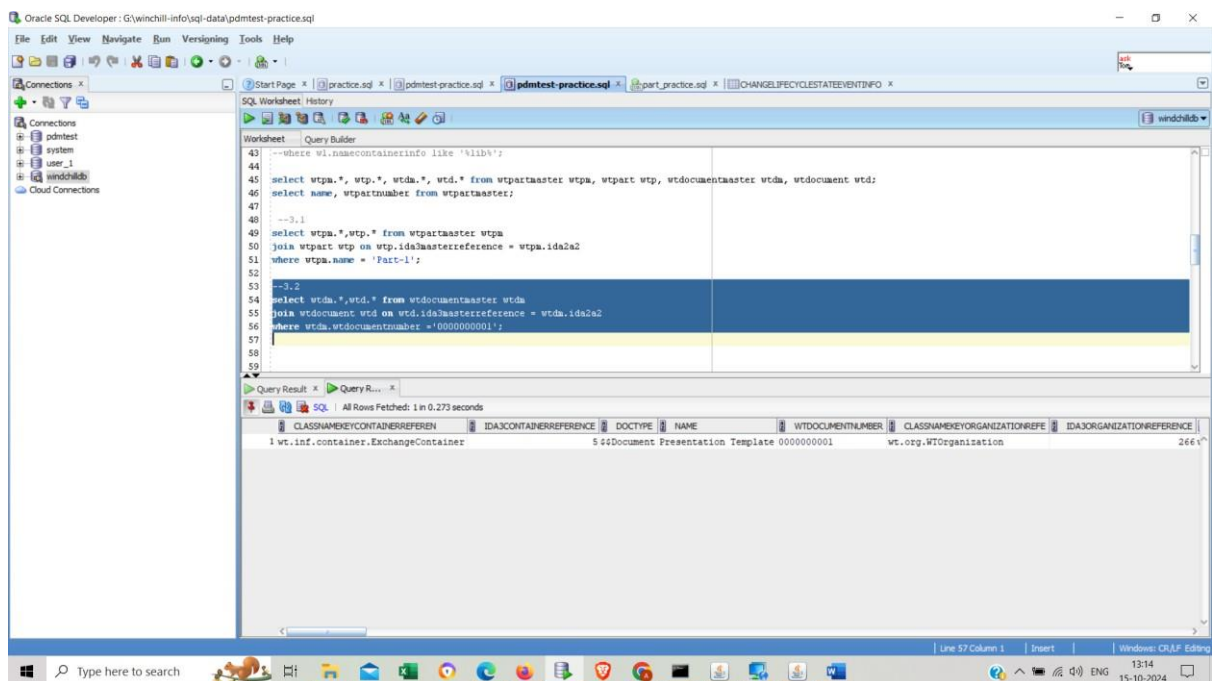
wtpm.name = 'Part-1';

--3.2

select wtdm.*,wtd.* from wtdocumentmaster wtdm

join wtdocument wtd on wtd.ida3masterreference = wtdm.ida2a2where

wtdm.wtdocumentnumber ='0000000001';



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. (the document Number used here should be

of the document residing in Library Container)

4.1:

```
select * from wtdocumentmaster;
```

```
select * from wtdocument;
```

```
select * from wtdocumentmaster,wtpartmaster ; select
```

```
wtdocumentnumber from wtdocumentmaster;select l.*
```

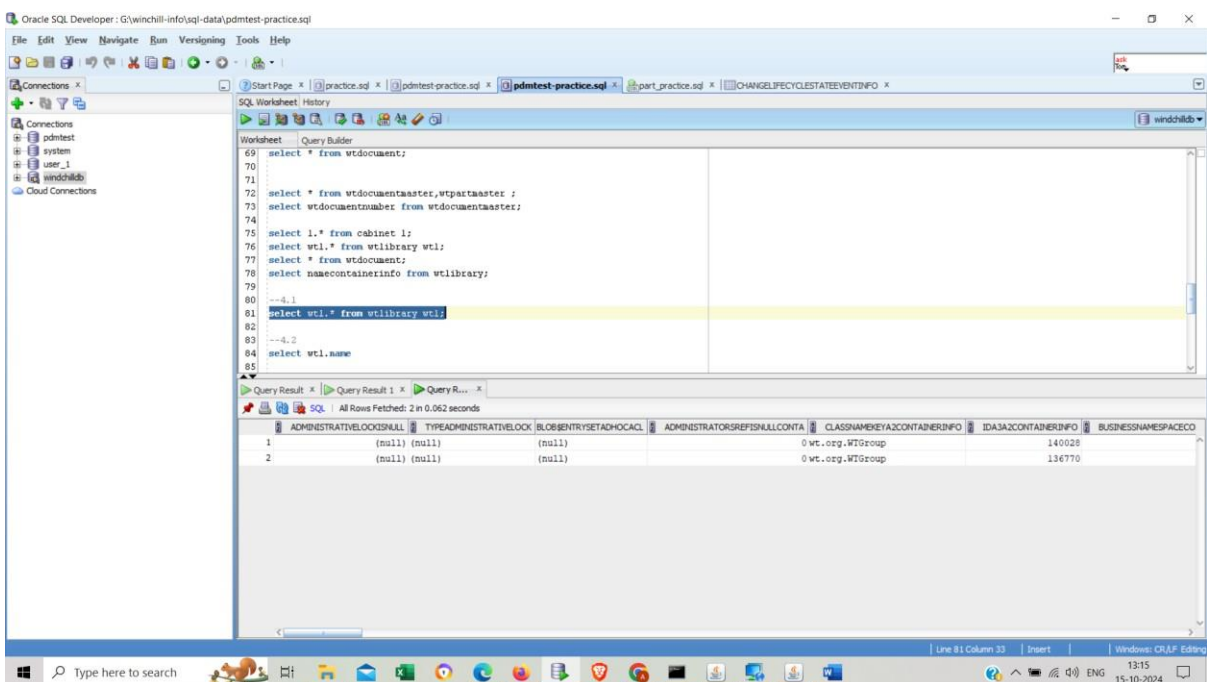
```
from cabinet l;
```

```
select wtl.* from wtlibrary wtl;
```

```
select * from wtdocument;
```

```
select namecontainerinfo from wtlibrary;
```

--4.1 : select wtl.* from wtlibrary wtl;



--4.2

```
select wl.namecontainerinfo, l.*,wl.* from cabinet l join wlibrary wl on l.ida3containerreference = wl.ida2a2;
```

```
select l.amecontainerinfo from cabinet l where w.wtdocumenttnumber='0000000057';
```

```
select wtpm.name,wtpm.wtpartnumber, wtp.* from pdmtest.wtpartmaster wtpm,  
pdmtest.wtpart wtp where wtpm.ida2a2=wtp.ida3masterreference and  
wtpm.wtpartnumber='0000000001';
```

The screenshot displays the Oracle SQL Developer interface. The main window shows a SQL worksheet with a query that has been executed. The query result is displayed in a table with 5 rows and 10 columns. The columns are: NAME, WTPARTNUMBER, ADMINISTRATIVELOOKSNULL, TYPEADMINISTRATIVELOOK, BLOBENTRYSETACHOCACL, BLOBEXPRESSIONDATA, CHECKOUTINFOISNULL, STATECHECKOUTINFO, and CLASSNAMEKEYCONT. The data in the table is as follows:

| NAME | WTPARTNUMBER | ADMINISTRATIVELOOKSNULL | TYPEADMINISTRATIVELOOK | BLOBENTRYSETACHOCACL | BLOBEXPRESSIONDATA | CHECKOUTINFOISNULL | STATECHECKOUTINFO | CLASSNAMEKEYCONT |
|--------|--------------|-------------------------|------------------------|----------------------|--------------------|--------------------|-------------------|---------------------|
| Part-1 | 0000000001 | (null) | (null) | (null) | (null) | 0 c/1 | | wt.pdmlink.FDMLinkI |
| Part-1 | 0000000001 | (null) | (null) | (null) | (null) | 0 c/1 | | wt.pdmlink.FDMLinkI |
| Part-1 | 0000000001 | (null) | (null) | (null) | (null) | 0 c/1 | | wt.pdmlink.FDMLinkI |
| Part-1 | 0000000001 | (null) | (null) | (null) | (null) | 0 c/1 | | wt.pdmlink.FDMLinkI |
| Part-1 | 0000000001 | (null) | (null) | (null) | (null) | 0 c/1 | | wt.pdmlink.FDMLinkI |