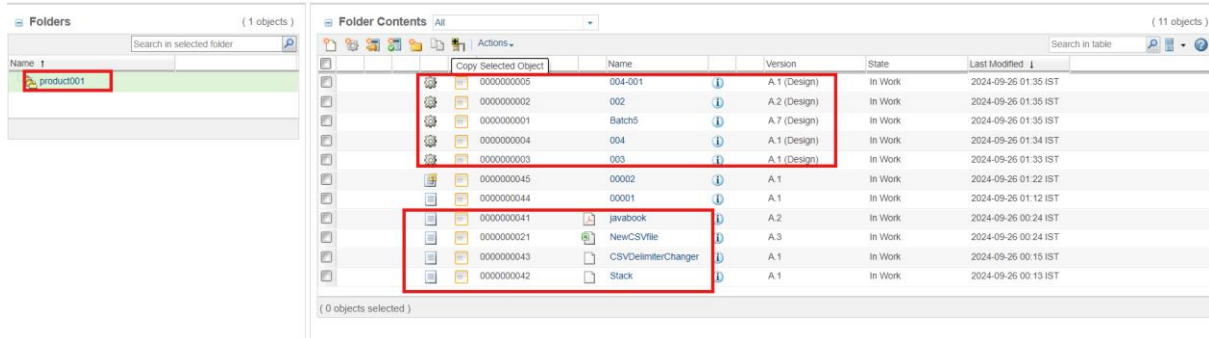


## Question 1:

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

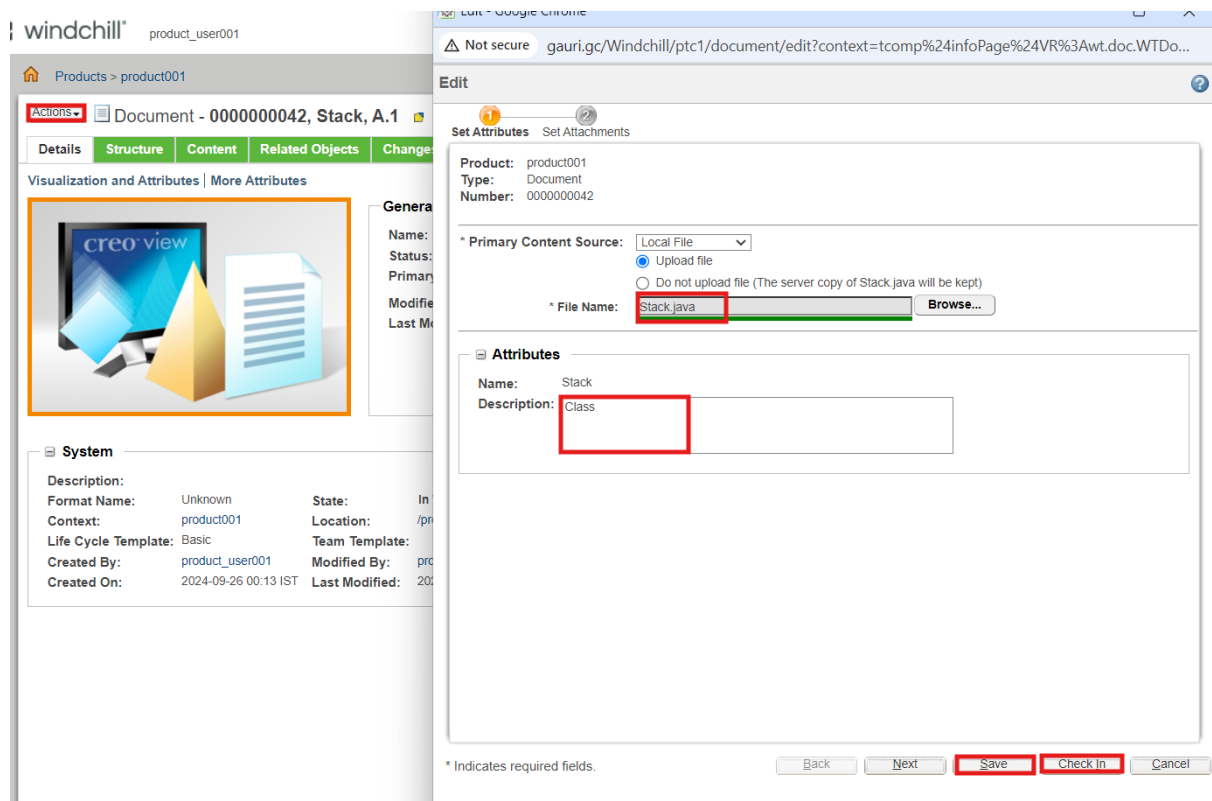
Check the history of all the revisions in the history tab.

Step1: Create WTDocument, WTPart:



Step2: Run CheckIn, CheckOut action & Revise action on the object:

For WTDocument: Click on Action dropdown list -> Check out & edit -> save -> check in.



Checking In Document - 0000000042, Stack, A.1 - Google Chrome

Not secure gauri.gc/Windchill/ptc1/wip/checkin?context=infoPage%24json%24VR%3Awt.doc.WTDocument%3A1...

**Checking In Document - 0000000042, Stack, A.1**

\* Primary Content Source: Local File  
☒ Upload file  
☐ Do not upload file (The server copy of Stack.java will be kept)

\* File Name: Stack.java Browse...

Comments: Minor changes in Attributes

☐ Keep checked out after checkin

\* Indicates required fields.

OK Cancel

By clicking on Action -> Revise WTDocument -> New Revision come up -> Click on ok.

**Revise**

Current Settings: No dependents, Latest: Working

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

Number	Version	Name	New Revision	Location	New State	Collection Rule
0000000042	A.2	Stack	<input checked="" type="checkbox"/>	jproduct001	In Work	Initially Selected

(1 objects selected)

OK Cancel

**History of WTDocument:**

Actions Document - 0000000042, Stack, B.1 In Work 1

Details Structure Content Related Objects Changes History Traceability

Version History Timeline

Version History General (3 objects)

	Version	File Name	Size	State	Comments	Modified By	Last Modified	Authorization	Predecessor	Revision
	B.1	Stack.java	1.78 KB	In Work		product_user001	2024-09-27 01:48 IST	product_user001		B
	A.2	Stack.java	1.78 KB	In Work	Minor changes in Attributes	product_user001	2024-09-27 01:23 IST	product_user001		A
	A.1	Stack.java	1.78 KB	In Work		product_user001	2024-09-26 00:13 IST	product_user001		A

(0 objects selected)

Similarly For WTPart: Click on Action dropdown list -> Check out & edit -> save -> check in.

Edit Part - Google Chrome

Not secure gauri.gc/Windchill/ptc1/part/edit?context=tcomp%24infoPage%24VR%3Aw...

## Edit Part

1

### Set Attributes

**Product:** product001  
**Type:** Part  
**Number:** 0000000003  
**Name:** 003  
**Version:** A.1 (Design)

**Attributes**

\* **Assembly Mode:** Inseparable ▾  
 \* **Source:** Buy ▾

\* Indicates required fields.

Back Next **Save** **Check In** Cancel

Checking In Part - 0000000003, 003, A.1 (Design) - Google Chrome

Not secure gauri.gc/Windchill/ptc1/wip/checkin?context=infoPage%24json%24VR%3Awt.part.WTPart%3A146169...

**Checking In Part - 0000000003, 003, A.1 (Design)**

**Comments:** Minor Changes in Attributes

☐ Keep checked out after checkin

☐ Publish to CAD after checkin

OK Cancel

By clicking on Action -> Revise WTPart -> New Revision come up -> Click on ok.

Current Settings: No dependents, Latest: Design, Working

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

Number	Version	Name	New Revision	Location	New State	Collection Rule
0000000003	A.2 (Design)	003	1	/product001	In Work	Initially Selected

(0 objects selected)

OK Cancel

**History of WTPart:**

Products > product001

Actions Part - 0000000003, 003, B.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
B.1 (Design)	In Work		product_user001	2024-09-27 01:56 IST	product_user001		B
A.2 (Design)	In Work	Minor Changes in Attributes	product_user001	2024-09-27 01:54 IST			A
A.1 (Design)	In Work		product_user001	2024-09-26 01:33 IST	product_user001		A

( 0 objects selected )

## 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, Container Name.

Step1:

WTPART

Worksheet Query Builder

```
select * from WTPart;
select * from WTPartmaster;

select wtpa.name, wtpa.wtpartnumber, prod.namecontainerinfo, wtp.versionida2versioninfo, wtp.iterationida2iterationinfo, wtp.classnamekeya2state, wtp.* from
wtpartmaster wtpa, wtpart wtp, PDMLinkProduct prod where
wtpa.ida2a2 = ida3masterreference and
prod.ida2a2 = wtp.ida3containerreference and
wtpa.wtpartnumber = '0000000004';
```

Query Result x Query Result 1 x

All Rows Fetched: 1 in 0 seconds

NAME	WTPARTNUMBER	NAMECONTAINERINFO	VERSIONIDA2VERSIONINFO	ITERATIONIDA2ITERATIONINFO	CLASSNAMEKEYA2STATE	ADMINISTRATIVELOCKISNULL	TYPEADMINISTRATIVELOCK
1 004	0000000004	product001	A	1	wt.lifecycle.LifeCycleTemplate	(null)	(null)

WTDomet:

Worksheet

Query Builder

select \* from WTDocument;

select \* from WTDocumentmaster;

select wtda.name, wtda.wtdocumentnumber,prod.namecontainerinfo, wtd.versionida2versioninfo,wtd.iterationida2iterationinfo,wtd.statestate, wtd.classnamekeya2state , wtd.\* f wtdocumentmaster wtda, wtdocument wtd,PDMLinkProduct prod where wtda.ida2a2 = ida3masterreference and prod.ida2a2 = wtd.ida3containerreference and wtda.wtdocumentnumber = '0000000043';


Query Result x

Query Result 1 x

Query Result 2 x

Query Result 3 x

Query Result 4 x

 SQL

All Rows Fetched: 1 in 0.007 seconds

NAME

WTDOCUMENTNUMBER

NAMECONTAINERINFO

VERSIONIDA2VERSIONINFO

ITERATIONIDA2ITERATIONINFO

STATESTATE

CLASSNAMEKEYA2STATE

ADMINISTRATIVE

1 CSVDelimiterChanger

0000000043

product001

A

1

INWORK

wt.lifecycle.LifeCycleTemplate

### Question 3:

Write a select query to find all the details of an object either WTPart or WTDocument or any other object

i.e the columns from the MasterTable and

from the VersionTable where the partName or the documentNumber or objectNumber = '\_\_\_\_\_'.  
\_\_\_\_\_

Step1:

WTPartmaster:

Worksheet

Query Builder

```
select * from Wtpart;
select * from Wtpartmaster;

select * from wtpartmaster
join wtpart on wtpart.ida3masterreference = wtpartmaster.ida2a2
where wtpartnumber = 'WCD$000759';
```

Query Result x | Query Result 1 x | Query Result 2 x

SQL | All Rows Fetched: 1 in 0.016 seconds

CALCULATIONSTATUS	EFFPROPAGATIONSTOP	ENDITEM	GENERICTYPE	HIDEPARTINSTRUCTURE	NAME	WTPARTNUMBER	CLASSNAMEKEYORGANIZATIONREFE	IDA3ORGANIZATIONREFERENCE
1)	1	0	standard		0 01-52103.prt WCD\$000759	wt.org.WTOrganization		67256

WTDocumentmaster:

Worksheet

Query Builder

<

#### 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)

The image displays two screenshots from the Windchill software interface. The top screenshot shows the 'New Document' dialog box, and the bottom screenshot shows the 'Version History' tab for a specific document.

**Top Screenshot: New Document Dialog**

- Library:** library001
- Type:** Document
- Template:** -- Select a Template --
- Primary Content Source:** Local File
- File Name:** Windchill Business Administrator\_Assignment1.doc
- Attributes:**
  - Number:** (Generated)
  - Name:** Windchill Business Administrator\_Assignment1
  - Description:** Document file
  - Location:** Select Folder (library001)
  - Life Cycle Template:** (Generated)
  - Team Template:** (Generated)
- ☐ Keep checked out after checkin
- Buttons:** Back, Next, Finish, Cancel

**Bottom Screenshot: Version History**

Document - 0000000061, Windchill Business Administrator\_Assignment1, B.1

Version History | Timeline

Version	File Name	Size	State	Comments	Modified By	Last Modified	Authorization	Predecessor	Revision
B.1	Windchill Business Ad...	2162.83 KB	In Work		library_user001	2024-09-29 14:42 IST	library_user001		B
A.3	Windchill Business Ad...	2162.83 KB	In Work	Minor changes in attributes	library_user001	2024-09-29 12:10 IST			A
A.2	Windchill Business Ad...	2162.83 KB	In Work		library_user001	2024-09-29 12:04 IST			A
A.1	Windchill Business Ad...	2162.83 KB	In Work		library_user001	2024-09-29 12:01 IST			A

Current Settings: No dependents, Latest : Working

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

Number	Version	Name	New Revision	Location	New State	Collection Rule
0000000061	A.3	Windchill Business Ad	B	library001	In Work	Initially Selected

(1 objects selected)

OK Cancel

#### 4.1 Write a query to find all the documents which are in library:

Worksheet Query Builder

```

1 select * from wtlibrary wtl, wtdocumentmaster wtd
2 where wtl.ida2a2 = wtd.ida3containerreference;
3
4 select wtl.NAMECONTAINERINFO from wtlibrary wtl, wtdocumentmaster wtd
5 where wtl.ida2a2 = wtd.ida3containerreference
6 and wtdocumentnumber = '0000000061';

```

Query Result x Query R... x

All Rows Fetched: 1 in 0.002 seconds

	ADMINISTRATIVELOCKISNULL	TYPEADMINISTRATIVELOCK	BLOBENTRYSETADHOCACL	ADMINISTRATORSREFISNULLCONTA	CLASSNAMEKEYA2CONTAINERINFO	IDA3A2CONTAINERINFO	BUSINESSNAMESPACEC
1	(null)	(null)	(null)	0	wt.org.WTGroup	138347	

Worksheet Query Builder

```

1 select * from wtlibrary wtl, wtdocumentmaster wtd
2 where wtl.ida2a2 = wtd.ida3containerreference;
3
4 select wtl.NAMECONTAINERINFO from wtlibrary wtl, wtdocumentmaster wtd
5 where wtl.ida2a2 = wtd.ida3containerreference
6 and wtdocumentnumber = '0000000061';

```

Query Result x Query R... x

All Rows Fetched: 1 in 0.002 seconds

	TIONREFE	IDA3ORGANIZATIONREFERENCE	SECURITYLABELS	CREATESTAMPA2	MARKFORDELETEA2	MODIFYSTAMPA2	CLASSNAMEEA2A2	IDA2A2	UPDATECOUNTA2	UPDATESTAMP
1		136297 (null)		24-09-24		0 24-09-24	wt.inf.library.WTLibrary	138343		7 24-09-24



1	select * from wtlibrary wtl, wtdocumentmaster wtd	
2	where wtl.ida2a2 = wtd.ida3containerreference;	
3		
4	select wtl.NAMECONTAINERINFO from wtlibrary wtl, wtdocumentmaster wtd	
5	where wtl.ida2a2 = wtd.ida3containerreference	
6	and wtdocumentnumber = '0000000061';	

MEKEYD2CONTAINERINFO	IDA3D2CONTAINERINFO	DESCRIPTIONCONTAINERINFO	NAMECONTAINERINFO	OWNERREFISNULLCONTAINERINFO	CLASSNAMEKEYE2CONTAINERINFO	IDA3E2CONTAINERINFO
1 administrativeDomain	138345 (null)		library001		0 wt.org.WTUser	136595

**4.2: 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):**

1	select * from wtlibrary wtl, wtdocumentmaster wtd	
2	where wtl.ida2a2 = wtd.ida3containerreference;	
3		
4	select wtl.NAMECONTAINERINFO from wtlibrary wtl, wtdocumentmaster wtd	
5	where wtl.ida2a2 = wtd.ida3containerreference	
6	and wtdocumentnumber = '0000000061';	

NAMECONTAINERINFO
1 library001