

## Min-max planning

Demand → supply

Min-max planning in Oracle Fusion is a feature that helps maintain inventory levels for items by automatically generating purchase requisitions or movement requests when inventory levels fall below a specified minimum.

### Setups:-

Min=100 max=1000

Available quantity= on-hand quantity+ pipeline supply- pipeline demand

$$= 20 + 200 - 200$$

$$= 20$$

If Available\_quantity < min\_quantity, it will create requisition automatically.

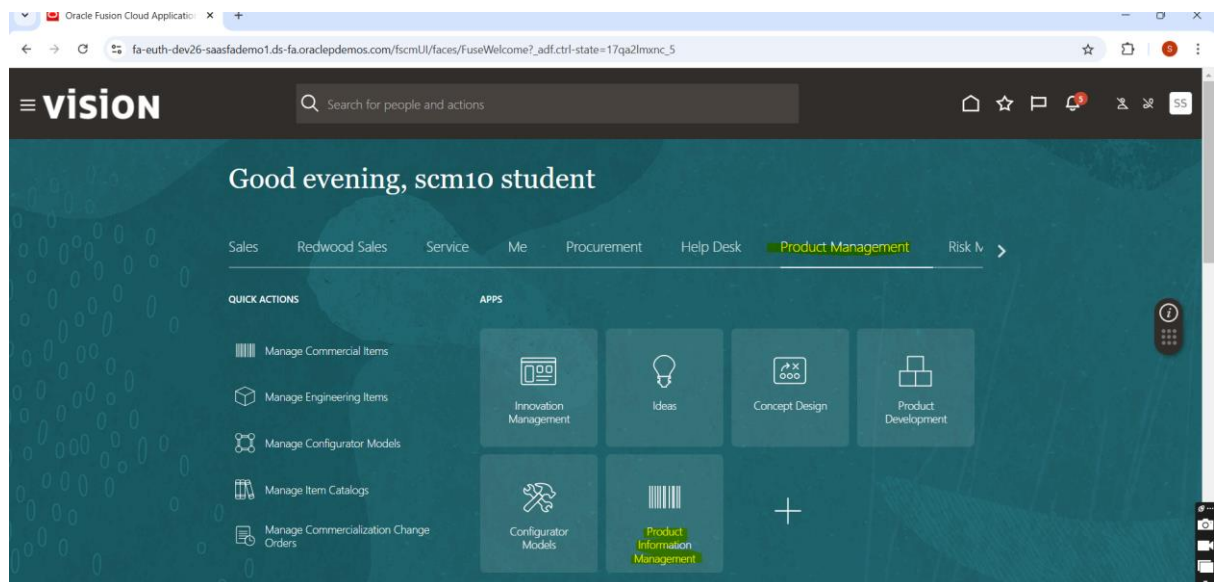
Order quantity= max\_quantity- available\_quantity

$$= 1000 - 20 = 980$$

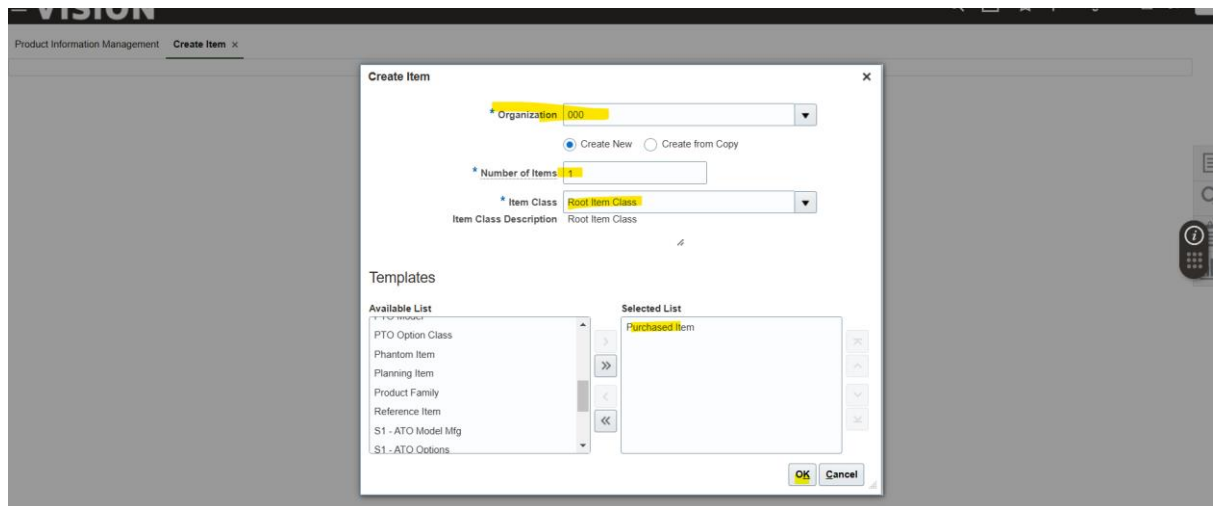
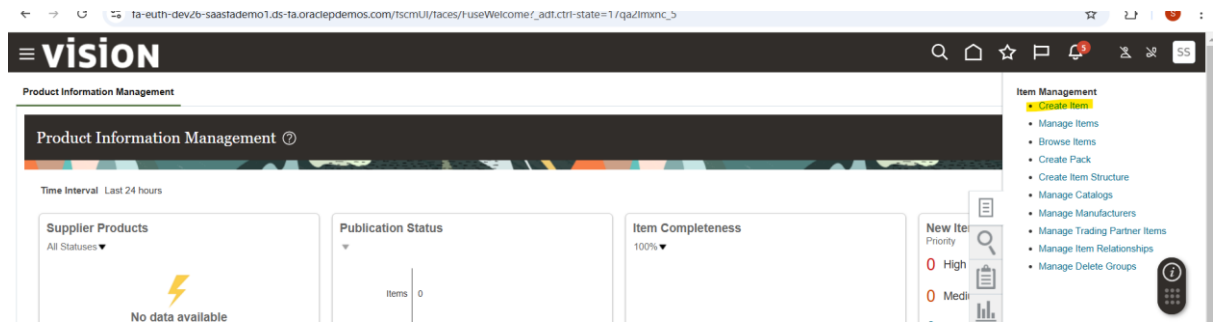
### Steps:-

1. Create item
2. Create sub inventory, Assign item to the sub inventory, specify the min-max planning.
3. Print Min-max Planning report. (schedule process)
4. Check in Movement request against the item

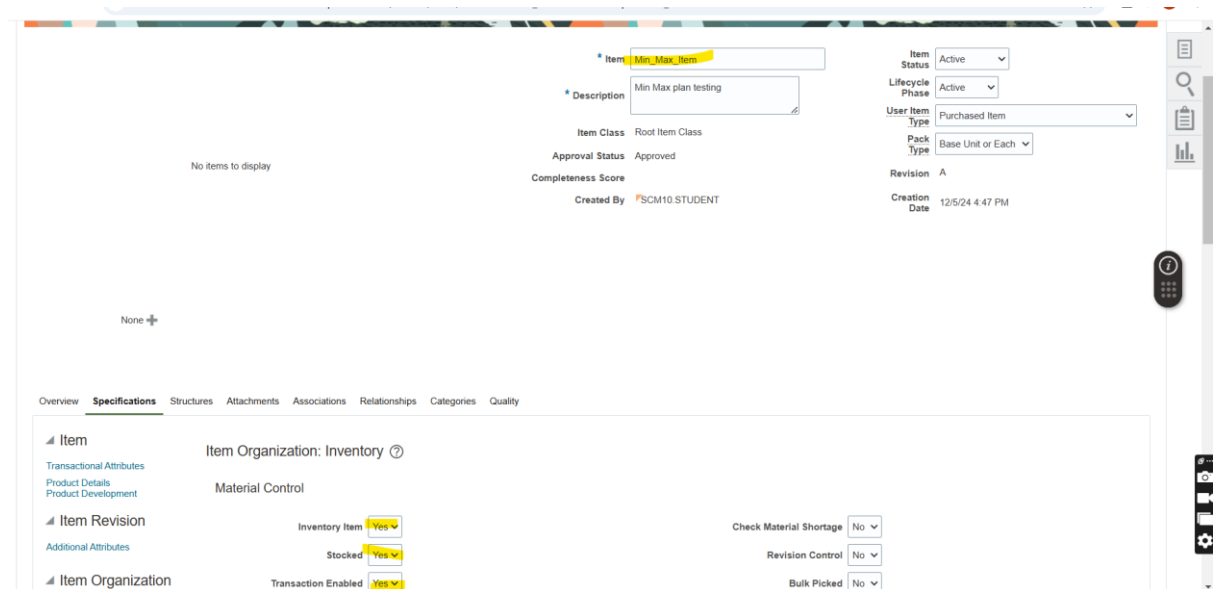
#### 1. Create item



Click on Create item



Select the template as Purchased item



Save it

Item: Min\_Max\_Item  
 Description: Min Max plan testing  
 Item Class: Root Item Class  
 Approval Status: Approved  
 Completeness Score:   
 Created By: FSCM10 STUDENT

Item Status: Active  
 Lifecycle Phase: Active  
 User Item Type: Purchased Item  
 Pack Type: Base Unit or Each  
 Revision: A  
 Creation Date: 12/5/24 4:47 PM

Overview Specifications Structures Attachments **Associations** Relationships Categories Quality History

Organizations Supplier Organizations

Actions View Format Reassign Freeze Detach Wrap

Organization	Organization Name	Item Status	Primary Unit of Measure	Tracking Unit of Measure	Pricing	Secondary Unit of Measure	Defaulting Control	Positive Deviation Factor	Negative Deviation Factor	Approval Status	Change Order Line	Chat Status
001	Seattle	Active	Ea	Primary	Primary	-		0	0	Approved		
000	Operations	Active	Ea	Primary	Primary	-		0	0	Approved		

Columns Hidden 3

Through associations/select and add assign it to another organization 001

**Manage items:-** Cross check the item is created or not.

Product Information Management Manage Items

Manage Items Root Item Class Done

Advanced Search Saved Search Application Default

Item Starts with Min Keyword  
 Description Starts with

Search Reset Save Add Fields

Search Results

Actions View Format Compare Detach Wrap Image Hide Manage Item Mass Changes

Item	Description	Approval Status	Item Status	Long Description	Item Class	Organization
Min_Max_Item	Min Max plan testing	Approved	Active		Root Item Class	000
Min_Max_Item	Min Max plan testing	Approved	Active		Root Item Class	001

Columns Hidden 369

## 2. Create a sub inventory: -

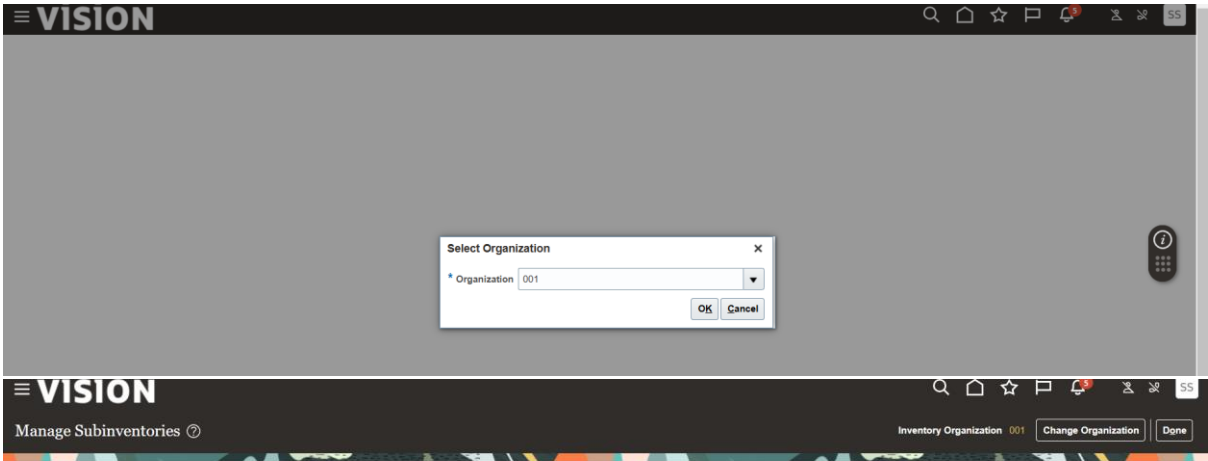
Global search> manage sub inventories>

Search - Setup and Maintenance

Search Manage subinventories and locators

Match With Tasks, Task Lists, Business Objects

Name	Type	Details
Manage Subinventories and Locators	Task	



Search

Search Results

Actions View Manage Item Subinventories Manage Locators

Subinventory	Description	Active	Material Status	Locator Control	Subinventory Type	Additional Information
Completed	Finished Goods		Active	None	Storage	
Inspection	Inspection		Active	None	Storage	
Quarantine	Quarantine		Quarantine	None	Storage	
Receiving	Receiving		Active	None	Receiving	
Staging	Staging		Active	None	Storage	
Stores	Stores		Active	None	Storage	

Completed Subinventory Details

Click on +

Summary

\* Subinventory APL MinMax

Description APL MinMax Subinventory

End Date m/d/yy

\* Material Status Active

Subinventory Type Storage

Locator Control None

Location

Locator Structure Four-Segment Locator Structure Instance

Default Locator Status

Picking Order

☒ Asset subinventory

☐ Depreciable

☒ Quantity tracked

☐ PAR location

☐ Oracle Health location

Subinventory Group

Replenishment Count Method Count

Default Replenishment Count Type Order pair

Source Type

Lead Times in Days

Save it

Manage Subinventories and Locators

fa-euth-dev26-saasfadem01.ds-fa.oraclepdemos.com/fscmUI/faces/FuseTaskListManagerTop?\_afrcLoop=199205324220497&\_adf.ctrl-state=17qa2lmxc\_738

vision

Manage Subinventories

Inventory Organization 001

Change Organization

Done

Search

Search Results

Actions

View

+

✎

🔍

Manage Item Subinventories

Manage Locators

Subinventory	Description	Active	Material Status	Locator Control	Subinventory Type	Additional Information
APL MinMax	APL MinMax Subinventory	✓	Active	None	Storage	🔍 ⓘ
Completed	Finished Goods	✓	Active	None	Storage	🔍 ⓘ
Inspection	Inspection	✓	Active	None	Storage	🔍 ⓘ
Quarantine	Quarantine	✓	Quarantine	None	Storage	🔍 ⓘ
Receiving	Receiving	✓	Active	None	Receiving	🔍 ⓘ
Staging	Staging	✓	Active	None	Storage	🔍 ⓘ
Stores	Stores	✓	Active	None	Storage	🔍 ⓘ

Select the sub inventory, Click on Manage item sub inventory

Manage Item Subinventories

Done

Search

Subinventory

Equals

APL MinMax

Inventory Planning Method

Equals

Item Description

Starts with

Search

Reset

Add Fields

Reorder

Search Results

Actions

View

+

✎

🔍

Manage Item Locators

Subinventory	Item	Item Description	Inventory Planning Method	Additional Information
No results found.				

Item Subinventory Details

Item

Maximum Quantity

**Add Item to Subinventory**

\* Subinventory

\* Item

Item Description

\* Inventory Planning Method

Min-Max Quantity UOM

Minimum Quantity

Maximum Quantity

Fixed Lot Multiple

Minimum Order Quantity

Maximum Order Quantity

**PAR Settings**

Replenishment Count Type

PAR Level

**Lead Times in Days**

Preprocessing

Processing

Postprocessing

**Sourcing**

Type

Organization

Subinventory

Ordering UOM

PAR Maximum Quantity

PAR Level UOM

Count Tolerance Percentage

Enter the item name

Inventory planning method

Sourcing Type:

Sub inventory/supplier/organization

Movement order/ transfer order will trigger automatically, when it reaches to minimum quantity.

Save and close

We need to run the min-max planning:

The screenshot shows the Oracle Vision application interface. The top navigation bar includes the 'vision' logo and a search bar. The main header displays 'Good evening, scm10 student'. Below the header, there are tabs for 'Intercompany Accounting', 'Fixed Assets', 'Academics', 'Academic Tools', 'My Enterprise', 'Tools', and 'Config'. The 'QUICK ACTIONS' section on the left lists 'Manage Collaboration Messaging History', 'Notifications', and 'AI Apps Administration'. The 'APPS' section on the right contains icons for 'Set Preferences', 'Developer Connect', 'Approvals', 'Reports and Analytics', 'Scheduled Processes' (highlighted), 'Security Console', 'Sales and Service Access Management', and 'File Import and Export'.

The 'Schedule New Process' dialog box is open, showing the following details:

- Type:** ☒ Job ☐ Job Set
- Name:** Print Min-Max Planning Report
- Description:** Calculates min-max planning replenishment levels for items.

The dialog box has 'OK' and 'Cancel' buttons at the bottom right.

**Schedule process name:** Run min-Max Planning report

Click on ok

The screenshot shows the 'Process Details' dialog box for the 'Print Min-Max Planning Report' process. The dialog box is divided into several sections:

- Process Options:** Includes 'Print output' (checked) and 'Notify me when this process ends' (unchecked).
- Basic Options:** Includes 'Schedule' (As soon as possible) and 'Submission Notes'.
- Parameters:** Includes fields for 'Organization' (001), 'Sort By' (Inventory item), 'From Item' (Min\_Max\_Item), 'To Item' (Min\_Max\_Item), 'Planning Level' (Subinventory), 'Item Selection' (All min-max planned items), 'Subinventory' (API MinMax), 'Batch Prefix', 'Lot Control' (Include both lot and not lot controlled items), 'Demand Cutoff Date' (m/d/yy), and 'Demand Cutoff Date Offset'.

The dialog box has 'Process Options', 'Advanced', 'Submit', and 'Cancel' buttons at the top right.

Process Details

This process will be queued up for submission at position 1

Process Options Advanced Submit Cancel

Name Print Min-Max Planning Report

Description Calculates min-max planning replenishment level...

Schedule As soon as possible

Submission Notes

Basic Options

Parameters

\* Item Selection All min-max planned items

Subinventory APL MinMax

Batch Prefix

Lot Control Include both lot and not lot controlled items

Demand Cutoff Date m/d/yy

Demand Cutoff Date Offset

Supply Cutoff Date m/d/yy

Supply Cutoff Date Offset

\* Restock Yes

Ship-to Location

\* Net Unreserved Orders Yes

\* Include Interface Supply Yes

Click on Advanced

Process Details

This process will be queued up for submission at position 1

Process Options Basic Submit Cancel

Name Print Min-Max Planning Report

Description Calculates min-max planning replenishment level...

Schedule As soon as possible

Submission Notes

Advanced Options

Parameters Schedule Output Notification

View

Name InvMinMaxPlanningReportJob Document1

Layout Redwood

Format PDF

InvMinMaxPlanningReportJob Document1: Destinations

Add Destination

Select the output type as pdf

Process Details

This process will be queued up for submission at position 1

Process Options Advanced Submit Cancel

Name Print Min-Max Planning Report

Description Calculates min-max planning replenishment level...

Schedule As soon as possible

Submission Notes

Basic Options

Parameters

\* Organization 001

\* Sort By Inventory item

From Item Min\_Max\_Item

To Item Min\_Max\_Item

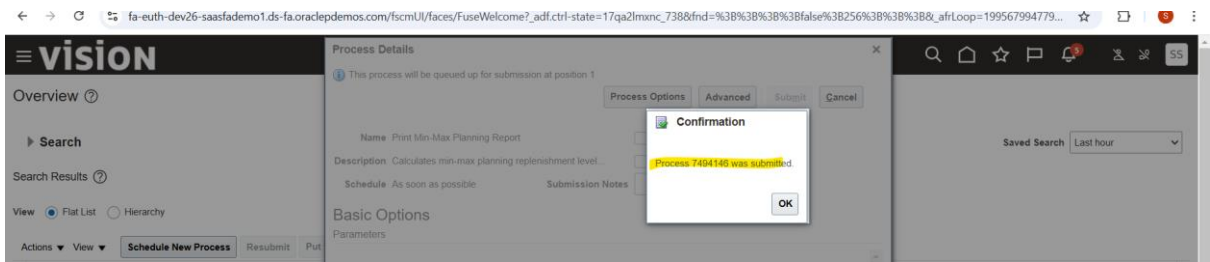
\* Planning Level Subinventory

\* Item Selection All min-max planned items

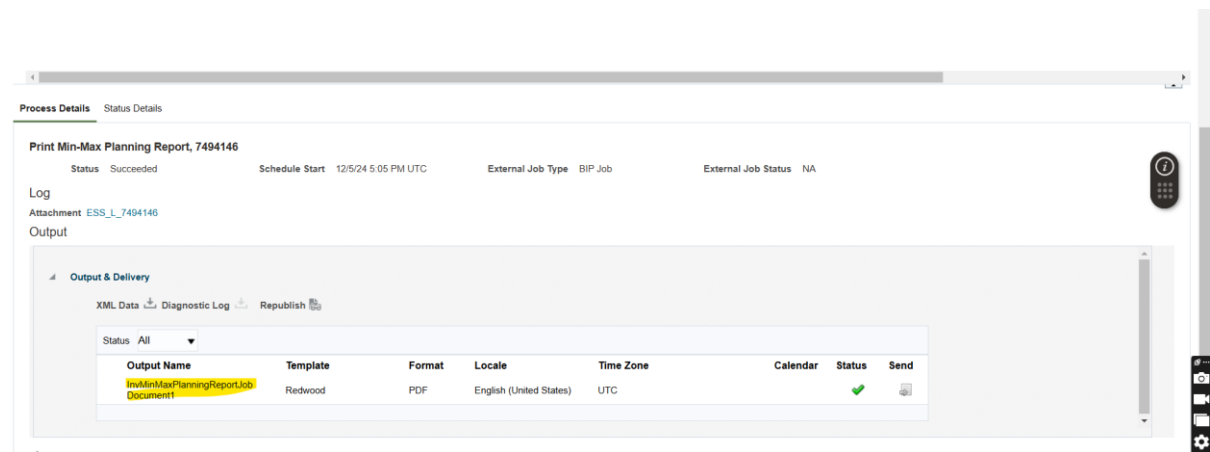
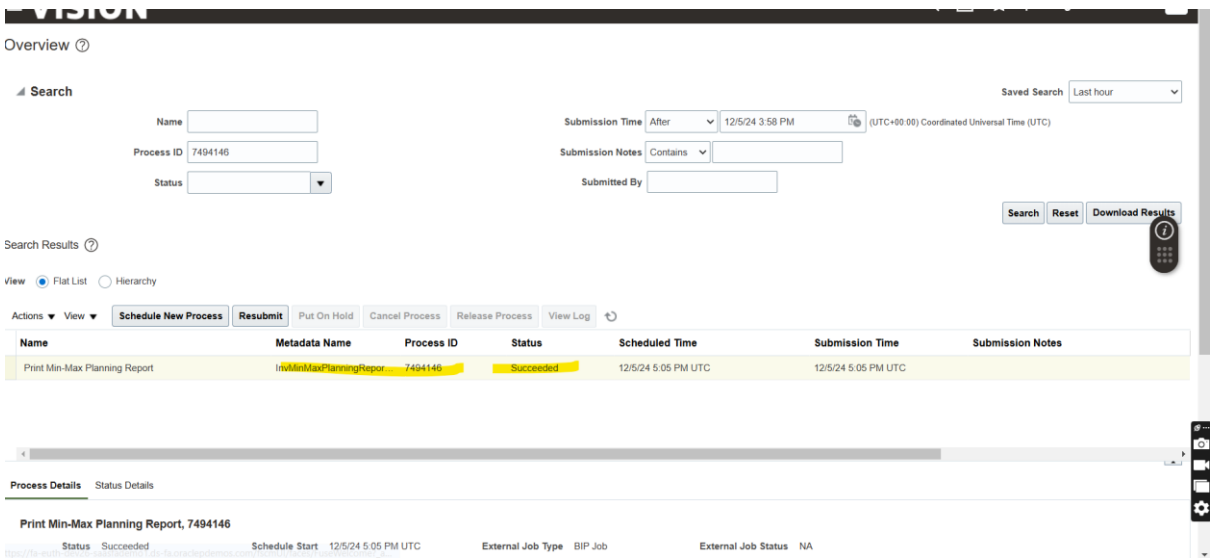
Subinventory APL MinMax

Click on submit.





Schedule process has been submitted.



Click on the output

ORACLE

Seattle

## Min-Max Report

Report Parameters	
Organization	Seattle
Planning Level	Subinventory
Subinventory	APL MinMax
Item Selection	All min-max planned items
From Category	
To Category	
From Item	Min Max Item
To Item	Min Max Item
From Buyer	
To Buyer	
Sort By	Inventory Item
Demand Cutoff Date	12/5/24
Supply Cutoff Date	12/5/24
Restock	Yes
Ship-to Location	
Net Unreserved Orders	Yes
Net Reserved Orders	Yes
Include PO Supply	Yes
Include Move Order Supply	Yes
Include Interface Supply	Yes
Include Nonnettable Subinventories	Yes
Lot Control	Include both lot and not lot controlled items
Display Format	Display all information
Display Item Description	Yes
From Planner	
To Planner	
Net WIP Demand	Yes
Include WIP Supply	Yes
Include Subinventories Without On-Hand Quantities	Yes
Batch Name	MINMAX7494146

ORACLE

Seattle

## Min-Max Report

Report Date 12/5/24 5:05 PM  
Page 1 of 1

Item	Item Description	Sort By	Minimum Quantity	Maximum Quantity	On-Hand Quantity	Supply Quantity	Demand Quantity	Available Quantity	Order Quantity Minimum	Order Quantity Maximum	Multiple	Reorder Quantity
Subinventory	APL MinMax											
Ea												
Min_Max_Item/ Min Max plan testing			1	10	0	0	0	0			Ea	10

End of Report

This is output file generated. And reordered quantity is 10.

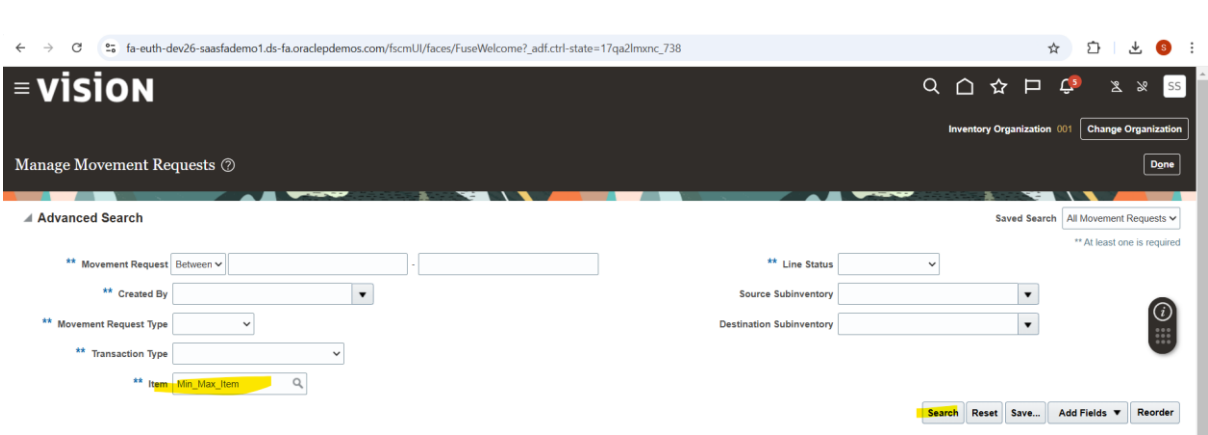
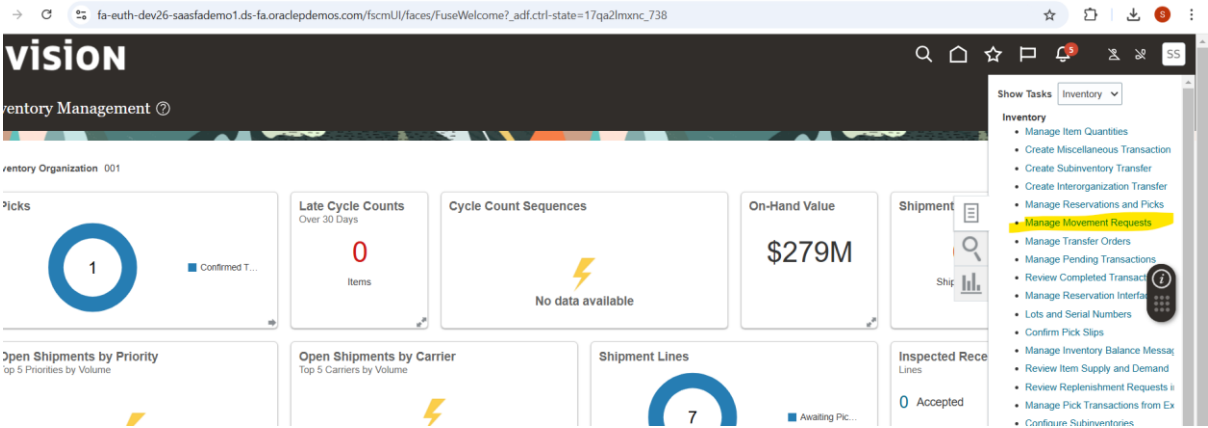
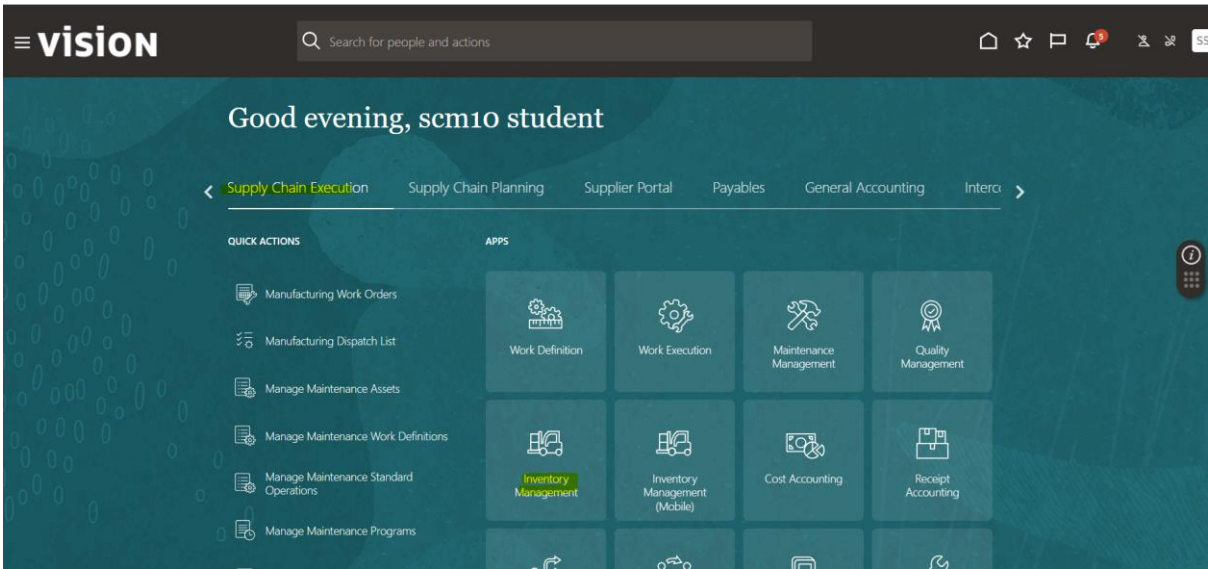
Reorder quantity = max-quantity- on-hand available quantity

$$= 10-0$$

Reordered quantity =10

Check the Requisition created or not: -

Goto manage Move order request



Manage Movement Requests

outputDocument.pdf

fa-euth-dev26-saasfademio1.ds-fa.oraclepdemos.com/fscmlUI/faces/FuseWelcome?\_adf.ctrl-state=17qa2lmxnc\_738

vision

Inventory Organization 001

Change Organization

Done

Manage Movement Requests

Advanced Search

Saved Search All Movement Requests

\*\* At least one is required

\*\* Movement Request

Between

-

\*\* Created By

\*\* Movement Request Type

\*\* Transaction Type

\*\* Item

Min\_Max\_Item

\*\* Line Status

Source Subinventory

Destination Subinventory

Search

Reset

Save...

Add Fields

Reorder

Search Results

Actions View

Movement Request	Line Number	Movement Request Type	Required Date	Transaction Type	Item	Requested Quantity	Delivered Quantity	UOM Name	Line Status	Created By
273899	1	Replenishment	12/20/24 12:00 ...	Movement Requ.	Min_Max_Item	10		Ea	Preapproved	SCM10 STUDENT

Automatically Movement request has been generated for the reordered quantity 10.