**ABOUT ITEMS.XML**

* items.xml defines the type of an extension into xml format.
* **Structure of item.xml:**

<items>

<atomictypes>

</atomictypes>

<collectiontypes>

</collectiontypes>

<enumtypes>

</enumtypes>

<maptypes>

</maptypes>

<relations>

</relations>

<itemtypes>

</itemtypes?

</items>

* atomictypes are defined only in core-items.xml that includes int, Boolean, etc basically data types of java language.
* From 1 to 10000 typecode are reserved for Hybris and for customization we use 10000 to 32767 as typecode.
* typecode is used in PK generation mechanism and it should be unique.
* persistence tag can be of 2 types i.e, property(going to be stored in db table) and dynamic(not going to be stored in db table instead it is stored in memory and it can be destroyed when server gets off).
* While defining an itemtype if we are not extending any other table then there must be autocreate=”true” and make use of <deployment tables=”tableName” typecode=”10000 to 32767”/>

**About Flexible Search**

* It

Select \* from {order as o} where (to\_char({o:creationtime},'YYYY-mm-dd hh24:mi:ss') >= ('2010-12-28 23:59:59)) and (to\_char({o:creationtime},'YYYY-mm-dd hh24:mi:ss') >= ('2020-01-17 10:00:00))

Select {o.code},{os.code} from {order as o join OrderStatus as os on {o.status}={os.pk}} where {os.code}='CREATED'

Select {o.code},{os.code},{o.creationtime} from {order as o join OrderStatus as os on {o.status}={os.pk}} where {os.code}='CREATED' or {os.code}='COMPLETED' ORDER BY {o.creationtime} ASC

Select {p.code},{cv.version}from {Product as p join catalogVersion as cv on {p.catalogVersion}={cv.pk}} where {cv.version}='Online'

Select \* from {Order as o} where EXISTS ({{Select {os.pk} from {OrderStatus as os} where {os.code}='COMPLETED'}})

**About CronJob**

* Cronjob is a scheduled activity which is used to perform a certain business logic at certain interval of time.
* **Elements of a cronjob:**
* CronJob : Runtime information
* Job class (in order to run CronJob logic are written in the Job class) : What to do
* Trigger : When to do
* Automated task
* Perform at a certain time or a fixed interval
* **Can be used for**
* Backups
* Updating/synchronizing catalog contents
* Import/Export
* Re-calculating prices
* Indexing, etc
* Runs in SessionContext

Select {c.pk} from {Cart as c} where {c.creationtime} > SYSDATE - INTERVAL '1' HOUR

**HOT FOLDER IN HYBRIS**

* Hot folder is one of the best ways to import and feed data into hybris.
* It is based on Spring Integration framework.