**Introduction/ Issue: *This query will help to get the list of items used to configure the item and its sub-assembly as well.***

**Why we need to do / Cause of the issue: *In BoM usually we need to check the list of consumables and used items to make a finished goods and developer writes query which may take some time and can’t return accurate number of items and its quantity..***

**How do we solve: *Use this query and pass the inventory item id and get the correct number of items.***

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| SELECT (SELECT ou.name  FROM org\_organization\_definitions ood,  hr\_operating\_units ou  WHERE ood.operating\_unit = ou.organization\_id  AND ood.organization\_id = msi1.organization\_id)ou,  (SELECT ood.organization\_name  FROM org\_organization\_definitions ood  WHERE ood.organization\_id = msi1.organization\_id) inv\_code,  (SELECT segment1  FROM mtl\_system\_items\_b  WHERE 1 = 1  AND inventory\_item\_id = path  AND organization\_id = :p\_organization\_id) assembly\_item,  msi.description assembly\_item\_desc,  alternate\_bom\_designator  ALTERNATE\_name,  item\_num,  operation\_seq\_num,  Lpad (' ', 10 \* ( lvl - 1 ))||msi1.segment1 AS Component\_item,  msi1.description comp\_item\_desc,  component\_quantity,  msi1.primary\_unit\_of\_measure uom  FROM mtl\_system\_items\_b msi,  mtl\_system\_items\_b msi1,  (SELECT assembly\_item\_id,  LEVEL lvl,  Substr (Sys\_connect\_by\_path (assembly\_item\_id, '/')  || '/', 2, Instr (( Sys\_connect\_by\_path (assembly\_item\_id  , '/')  || '/' ), '/', 2) - 2) path,  component\_item\_id,  component\_quantity,  item\_num,  supply\_subinventory,  component\_quantity \* Nvl(PRIOR component\_quantity, 1)extended\_qty,  alternate\_bom\_designator,  implementation\_date,  creation\_date,  from\_date,  to\_date,  operation\_seq\_num  FROM (SELECT DISTINCT bom.assembly\_item\_id,  bic.component\_item\_id,  bom.organization\_id,  bom.alternate\_bom\_designator,  Trunc (bom.implementation\_date)  implementation\_date,  bic.component\_quantity,  bic.item\_num,  bic.supply\_subinventory,  bom.creation\_date,  bic.effectivity\_date from\_date,  bic.disable\_date to\_date,  bic.operation\_seq\_num  FROM bom\_bill\_of\_materials bom,  bom\_inventory\_components bic  WHERE bom.bill\_sequence\_id = bic.bill\_sequence\_id  AND ( bic.disable\_date IS NULL OR bic.disable\_date > SYSDATE )  AND bic.implementation\_date IS NOT NULL  AND bom.alternate\_bom\_designator IS NULL  AND bom.organization\_id = Nvl(:p\_organization\_id,bom.organization\_id)    )  START WITH assembly\_item\_id IN (SELECT inventory\_item\_id  FROM mtl\_system\_items\_b  WHERE segment1 = Nvl (:p\_item\_code,segment1)  AND organization\_id = Nvl (:p\_organization\_id,organization\_id))  CONNECT BY NOCYCLE PRIOR component\_item\_id = assembly\_item\_id) bom  WHERE bom.assembly\_item\_id = msi.inventory\_item\_id  AND msi.organization\_id = msi1.organization\_id  AND bom.component\_item\_id = msi1.inventory\_item\_id  AND msi.organization\_id = :p\_organization\_id; |

**Conclusion:**

**This query will help you to get the correct number of items.**

**Note: Post the blog in SharePoint. After your manager’s review, you can post it in our website.**