**Attribute Playbook 9/12 – Shane Irons**

**#1. Create temp table to prepare for additional parametric sql queries. This takes about 30-45 minutes to run the first step.**

**create table PIM\_STAGE.TEMP\_VOLTAGE NOLOGGING as**

**select ar."ID" as ID,**

**ar."Identifier" as PART\_ID --ItemNo/VariantNo/ProductNo**

**, attrlang."Name" as ATTRIBUTE\_NM**

**, attrval."Value" as ATTRIBUTE\_VALUE\_TX**

**, ul."Symbol" as ATTRIBUTE\_UOM\_CD**

**, ul."Name" as ATTRIBUTE\_UOM\_NM**

**,DECODE( "EntityID", 1000, 'Items',1100, 'Products', 1200, 'Variants') as ARTICLE\_TYPE\_CD**

**,DECODE( ad."Res\_Int\_01", 1, 'Supplier Item', 2, 'ERP Item', 3, 'URL Asset') as ITEM\_TYPE\_CD**

**, ad."Res\_Int\_01" as PART\_NO**

**from hpm\_master."ArticleRevision" ar**

**,hpm\_master."ArticleAttribute" attr**

**,hpm\_master."ArticleDetail" ad**

**,hpm\_master."ArticleAttributeLang" attrlang**

**,hpm\_master."ArticleAttributeValue" attrval**

**,HPM\_MAIN."UnitLang" ul**

**where ar."ID" = attr."ArticleRevisionID"**

**and ar.ID = ad."ArticleRevisionID"**

**--and ar."Identifier" = '101005128'**

**and attr.ID = attrlang."ArticleAttributeID"**

**and attrlang."Name" = 'Voltage' --Put the Attribute Name here**

**and attrlang."ArticleAttributeID" = attrval."ArticleAttributeID"**

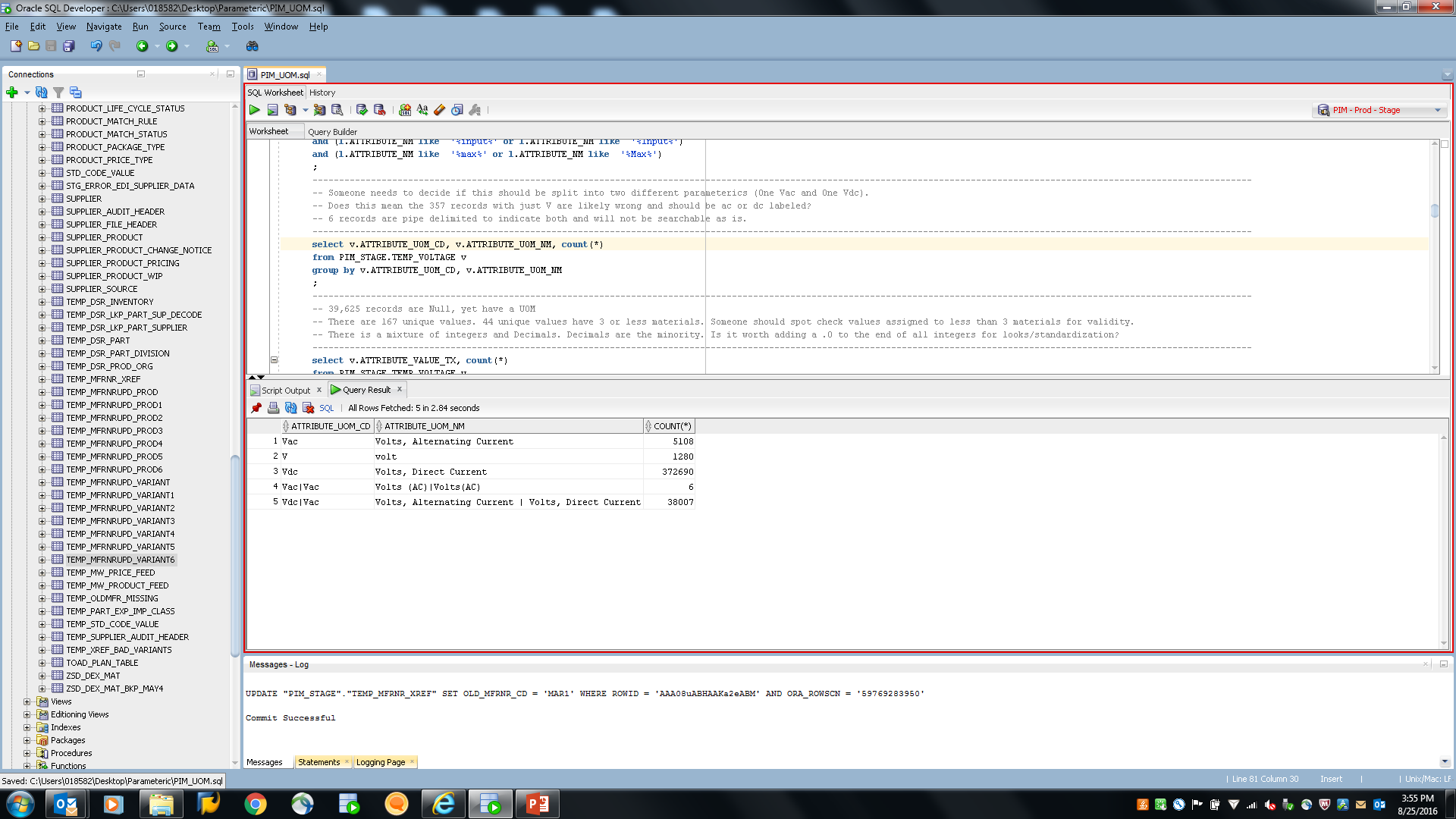
**and attrval."LanguageID" = 9 --English (Everything is English for the moment)**

**and attr."UnitID" = ul."UnitID"**

**and ul."LanguageID" = 9**

**;**

**#2. Run a query to look at all valid UOMs and counts**



SQL:

select v.ATTRIBUTE\_UOM\_CD, count(\*)

from PIM\_STAGE.TEMP\_VOLTAGE v

group by v.ATTRIBUTE\_UOM\_CD

;

**2b. Get list of materials with Bad UOMs**

select ar."ID" as VARIANT\_AR\_ID,

v.PART\_ID as VARIANT\_NO, v.ATTRIBUTE\_VALUE\_TX, v.ATTRIBUTE\_UOM\_CD, sgl."Name" as StructureGroupName

, ad."Res\_Text100\_01" as MFR\_PART\_NO--, ar2."ID" as VAIANT\_AR\_ID, ar2."Identifier" as VARIANT\_NO, ar2."EntityID" as ENTITY\_ID

, ad."Res\_Text2G\_02" as DATASHEET\_URL

from PIM\_STAGE.TEMP\_CAPACITANCE v,

hpm\_master."ArticleStructureMap" asm,

HPM\_MAIN."StructureGroupRevision" sgr,

HPM\_MAIN."StructureGroupLang" sgl,

hpm\_master."ArticleRevision" ar -- Variant

,hpm\_master."ArticleRevision" ar2

,hpm\_master."ArticleDetail" ad -- Manufacturer

where v.ATTRIBUTE\_UOM\_CD in ('nF','uF/pF')

and v.ID = ar."ID"(+)

and v.ID = asm."ArticleRevisionID"(+)

and asm."StructureGroupID" = sgr."StructureGroupID"(+)

and sgr.ID = sgl."StructureGroupRevisionID"(+) and sgl."LanguageID"(+) = 9

and ar."ID"= ar2."ID"(+)

and ar2."ID" = ad."ArticleRevisionID"(+)

and ar2."EntityID"(+) = 1200;

**#3. Sql for UOM by Taxonomy with counts**

select sgl."Name" as StructureGroupName, v.ATTRIBUTE\_UOM\_CD, count(\*)

from PIM\_STAGE.TEMP\_VOLTAGE v,

hpm\_master."ArticleStructureMap" asm,

HPM\_MAIN."StructureGroupRevision" sgr,

HPM\_MAIN."StructureGroupLang" sgl,

hpm\_master."ArticleRevision" ar -- Variant

,hpm\_master."ArticleRevision" ar2

,hpm\_master."ArticleDetail" ad -- Manufacturer

where v.ID = ar."ID"(+)

and v.ID = asm."ArticleRevisionID"(+)

and asm."StructureGroupID" = sgr."StructureGroupID"(+)

and sgr.ID = sgl."StructureGroupRevisionID"(+) and sgl."LanguageID"(+) = 9

and ar."ID"= ar2."ID"(+)

and ar2."ID" = ad."ArticleRevisionID"(+)

and ar2."EntityID"(+) = 1200

group by sgl."Name", v.ATTRIBUTE\_UOM\_CD

order by sgl."Name", v.ATTRIBUTE\_UOM\_CD

;

**#4. Check for un-allowed characters:**

select ar."ID" as VARIANT\_AR\_ID,

v.PART\_ID as VARIANT\_NO, v.ATTRIBUTE\_VALUE\_TX, v.ATTRIBUTE\_UOM\_CD, sgl."Name" as StructureGroupName

, ad."Res\_Text100\_01" as MFR\_PART\_NO--, ar2."ID" as VAIANT\_AR\_ID, ar2."Identifier" as VARIANT\_NO, ar2."EntityID" as ENTITY\_ID

, ad."Res\_Text2G\_02" as DATASHEET\_URL

from PIM\_STAGE.TEMP\_VOLTAGE v,

hpm\_master."ArticleStructureMap" asm,

HPM\_MAIN."StructureGroupRevision" sgr,

HPM\_MAIN."StructureGroupLang" sgl,

hpm\_master."ArticleRevision" ar -- Variant

,hpm\_master."ArticleRevision" ar2

,hpm\_master."ArticleDetail" ad -- Manufacturer

where REGEXP\_LIKE(v.ATTRIBUTE\_VALUE\_TX, '[^0-9|.]+')

and v.ID = ar."ID"(+)

and v.ID = asm."ArticleRevisionID"(+)

and asm."StructureGroupID" = sgr."StructureGroupID"(+)

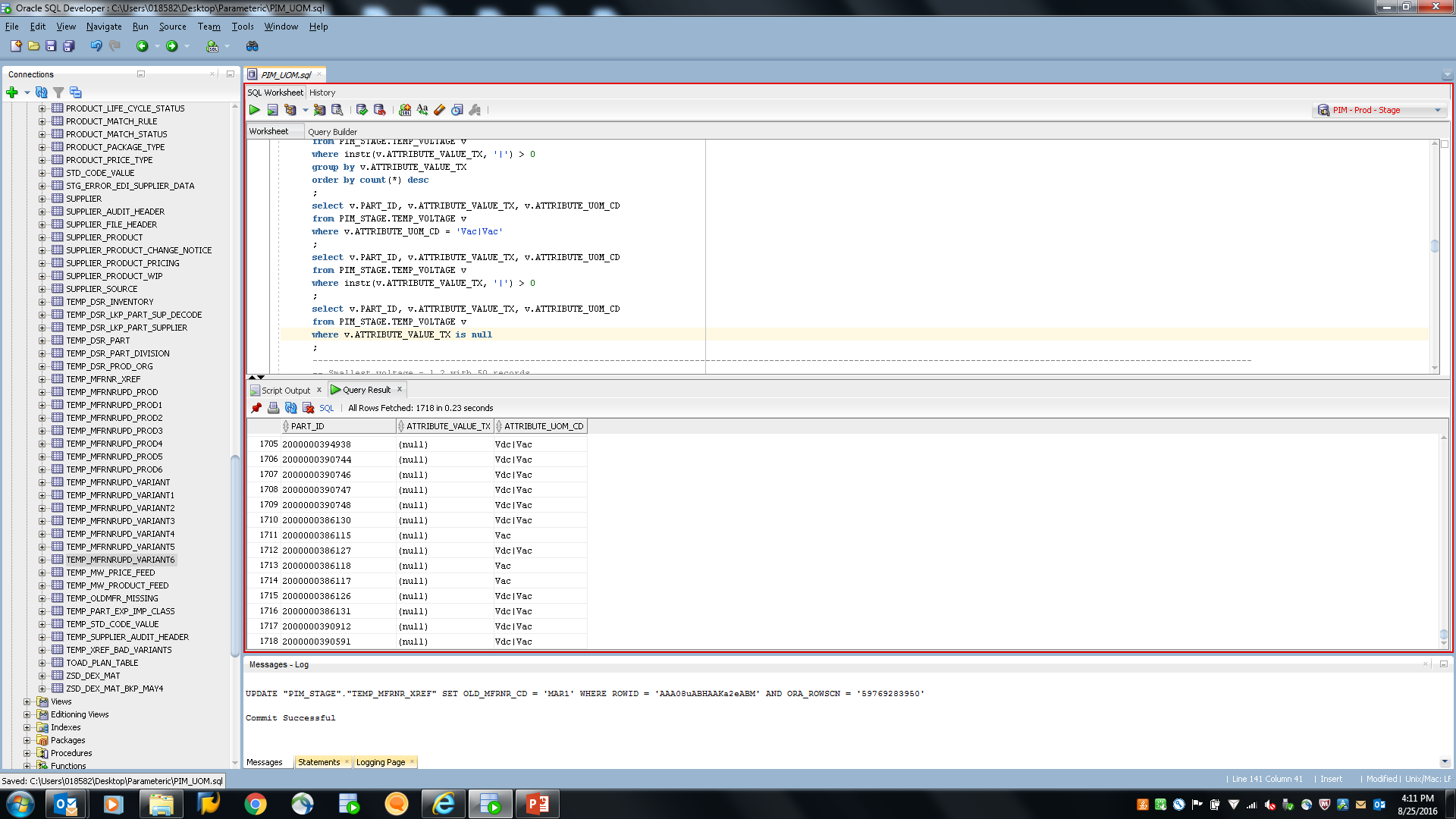
and sgr.ID = sgl."StructureGroupRevisionID"(+) and sgl."LanguageID"(+) = 9

and ar."ID"= ar2."ID"(+)

and ar2."ID" = ad."ArticleRevisionID"(+)

and ar2."EntityID"(+) = 1200;

**#5. Check for Null Values**



SQL:

select ar."ID" as VARIANT\_AR\_ID,

v.PART\_ID as VARIANT\_NO, v.ATTRIBUTE\_VALUE\_TX, v.ATTRIBUTE\_UOM\_CD, sgl."Name" as StructureGroupName

, ad."Res\_Text100\_01" as MFR\_PART\_NO--, ar2."ID" as VAIANT\_AR\_ID, ar2."Identifier" as VARIANT\_NO, ar2."EntityID" as ENTITY\_ID

, ad."Res\_Text2G\_02" as DATASHEET\_URL

from PIM\_STAGE.TEMP\_VOLTAGE v,

hpm\_master."ArticleStructureMap" asm,

HPM\_MAIN."StructureGroupRevision" sgr,

HPM\_MAIN."StructureGroupLang" sgl,

hpm\_master."ArticleRevision" ar -- Variant

,hpm\_master."ArticleRevision" ar2

,hpm\_master."ArticleDetail" ad -- Manufacturer

where v.ATTRIBUTE\_VALUE\_TX is null

and v.ID = ar."ID"(+)

and v.ID = asm."ArticleRevisionID"(+)

and asm."StructureGroupID" = sgr."StructureGroupID"(+)

and sgr.ID = sgl."StructureGroupRevisionID"(+) and sgl."LanguageID"(+) = 9

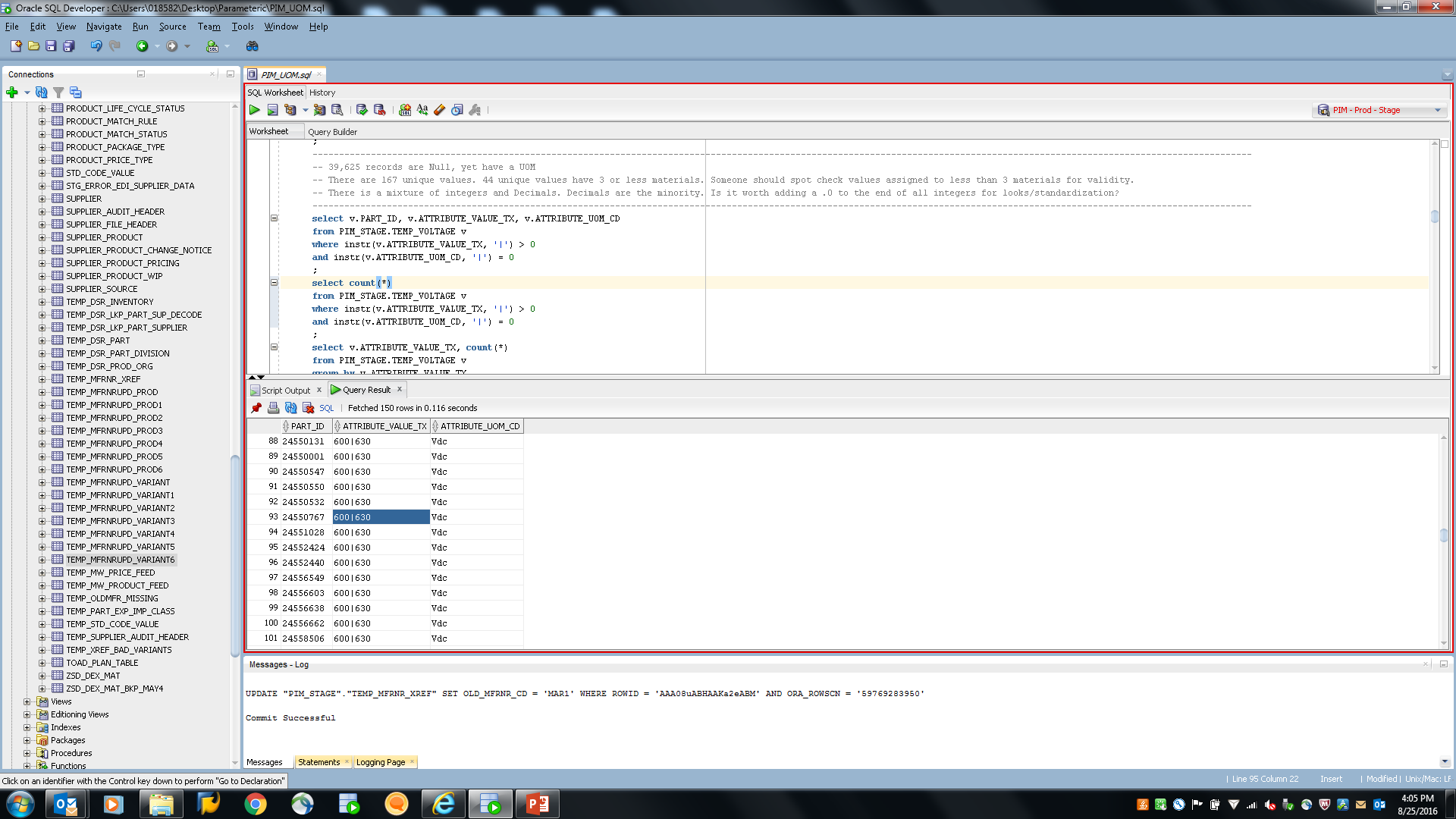
and ar."ID"= ar2."ID"(+)

and ar2."ID" = ad."ArticleRevisionID"(+)

and ar2."EntityID"(+) = 1200

;

**#6. Check for attributes with a | that do not have a matching UOM:**



SQL:

select ar."ID" as VARIANT\_AR\_ID,

v.PART\_ID as VARIANT\_NO, v.ATTRIBUTE\_VALUE\_TX, v.ATTRIBUTE\_UOM\_CD, sgl."Name" as StructureGroupName

, ad."Res\_Text100\_01" as MFR\_PART\_NO--, ar2."ID" as VAIANT\_AR\_ID, ar2."Identifier" as VARIANT\_NO, ar2."EntityID" as ENTITY\_ID

, ad."Res\_Text2G\_02" as DATASHEET\_URL

from PIM\_STAGE.TEMP\_VOLTAGE v,

hpm\_master."ArticleStructureMap" asm,

HPM\_MAIN."StructureGroupRevision" sgr,

HPM\_MAIN."StructureGroupLang" sgl,

hpm\_master."ArticleRevision" ar -- Variant

,hpm\_master."ArticleRevision" ar2

,hpm\_master."ArticleDetail" ad -- Manufacturer

where instr(v.ATTRIBUTE\_VALUE\_TX, '|') > 0

and instr(v.ATTRIBUTE\_UOM\_CD, '|') = 0

and instr(v.ATTRIBUTE\_UOM\_CD, '/') = 0

and v.ID = ar."ID"(+)

and v.ID = asm."ArticleRevisionID"(+)

and asm."StructureGroupID" = sgr."StructureGroupID"(+)

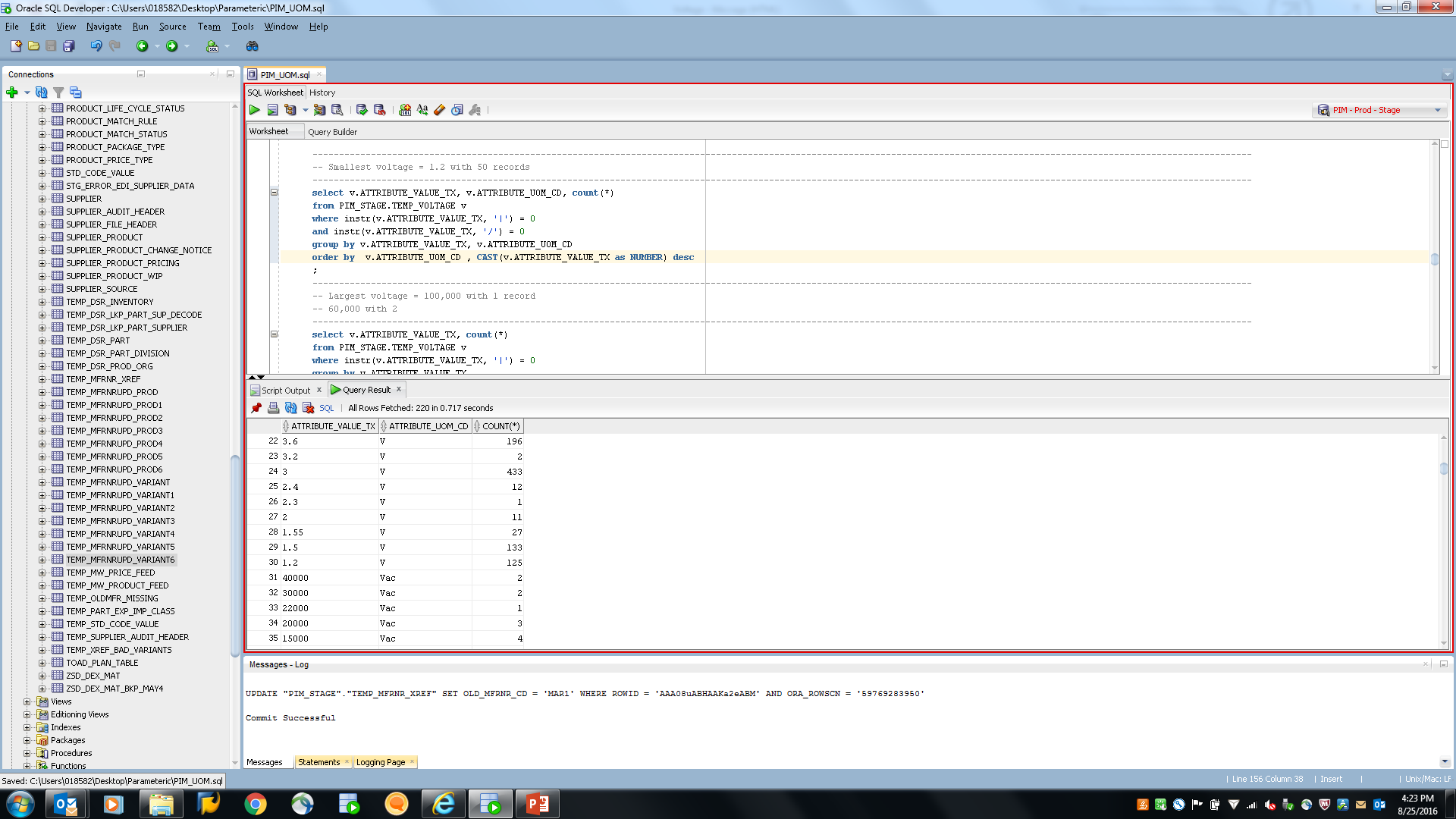
and sgr.ID = sgl."StructureGroupRevisionID"(+) and sgl."LanguageID"(+) = 9

and ar."ID"= ar2."ID"(+)

and ar2."ID" = ad."ArticleRevisionID"(+)

and ar2."EntityID"(+) = 1200;

**#7. Look at UOM Distribution:**



SQL:

select v.ATTRIBUTE\_VALUE\_TX, v.ATTRIBUTE\_UOM\_CD, count(\*)

from PIM\_STAGE.TEMP\_VOLTAGE v

where instr(v.ATTRIBUTE\_VALUE\_TX, '|') = 0

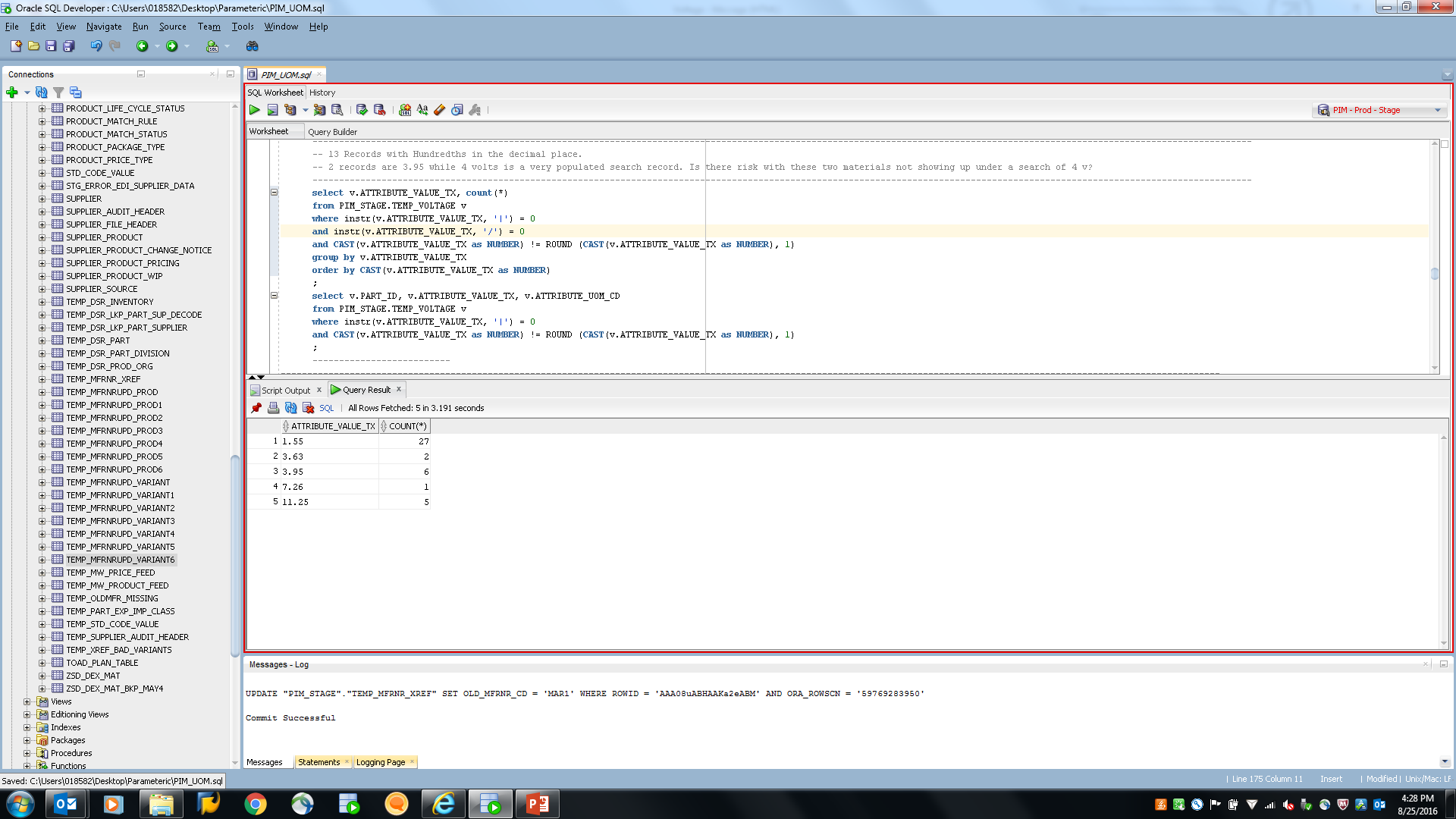
and instr(v.ATTRIBUTE\_VALUE\_TX, '/') = 0

group by v.ATTRIBUTE\_VALUE\_TX, v.ATTRIBUTE\_UOM\_CD

order by v.ATTRIBUTE\_UOM\_CD , CAST(v.ATTRIBUTE\_VALUE\_TX as NUMBER) desc

;

**#8. Look at decimal places compared to the majority:**



SQL:

select v.ATTRIBUTE\_VALUE\_TX, count(\*)

from PIM\_STAGE.TEMP\_VOLTAGE v

where instr(v.ATTRIBUTE\_VALUE\_TX, '|') = 0

and instr(v.ATTRIBUTE\_VALUE\_TX, '/') = 0

and CAST(v.ATTRIBUTE\_VALUE\_TX as NUMBER) != ROUND (CAST(v.ATTRIBUTE\_VALUE\_TX as NUMBER), 1)

group by v.ATTRIBUTE\_VALUE\_TX

order by CAST(v.ATTRIBUTE\_VALUE\_TX as NUMBER) ;