#HappyCode #0004 : Analytic SQL CAST & VALIDATE_CONVERSION () Function for Data Validation Oracle 12c

Github : https://github.com/happycodingkoe/database_oracle
Blog : https://happycodingkoe.blogspot.com/
IG : @happycodingkoe
FB : https://web.facebook.com/happycoding.koe.3
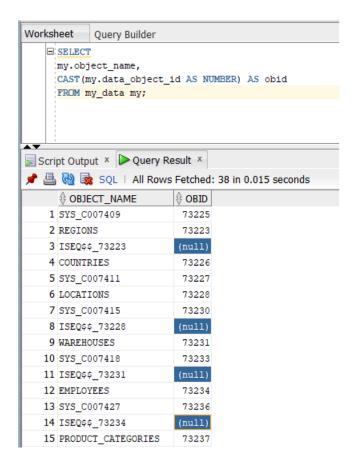
** Note :
Oracle DB Version : 12.2.0

**Note Command

SELECT
my.object_name,
CAST(my.data_object_id AS NUMBER) AS obid
FROM my_data my;

SELECT * FROM my_data my
WHERE VALIDATE_CONVERSION(my.data_object_id AS NUMBER) = 0;

**Note Screenshot

1. **We can currently use the SQL CAST function to convert one datatype to another, Although currently there is NULL data or it will return a conversion error.**

   Which, in the previous version, a data condition containing a NULL value returns an error.

```sql
SELECT
  my.object_name,
  CAST(my.data_object_id AS NUMBER) AS obid
  FROM my_data my;
```

Script Output ×   Query Result ×

SQL | All Rows Fetched: 38 in 0.015 seconds

	OBJECT_NAME	OBID
1	SYS_C007409	73225
2	REGIONS	73223
3	ISEQ$$_73223	(null)
4	COUNTRIES	73226
5	SYS_C007411	73227
6	LOCATIONS	73228
7	SYS_C007415	73230
8	ISEQ$$_73228	(null)
9	WAREHOUSES	73231
10	SYS_C007418	73233
11	ISEQ$$_73231	(null)
12	EMPLOYEES	73234
13	SYS_C007427	73236
14	ISEQ$$_73234	(null)
15	PRODUCT_CATEGORIES	73237

2. **A new function VALIDATE_CONVERSION () can be used to identify if there is a conversion failure will appear,**
We use the value = 0, to validate if there is a possibility of returning an error / containing NULL data

Worksheet	Query Builder

```sql
SELECT * FROM my_data my
WHERE VALIDATE_CONVERSION(my.data_object_id AS NUMBER) = 0;
```

Script Output × ▶ Query Result ×

📌 🖨 🔁 ❌ SQL | All Rows Fetched: 12 in 0.002 seconds

	OBJECT_NAME	DATA_OBJECT_ID	CREATED
1	ISEQ$$_73223	(null)	20-12-2019
2	ISEQ$$_73228	(null)	20-12-2019
3	ISEQ$$_73231	(null)	20-12-2019
4	ISEQ$$_73234	(null)	20-12-2019
5	ISEQ$$_73237	(null)	20-12-2019
6	ISEQ$$_73240	(null)	20-12-2019
7	ISEQ$$_73243	(null)	20-12-2019
8	ISEQ$$_73246	(null)	20-12-2019
9	ISEQ$$_73249	(null)	20-12-2019
10	ISEQ$$_73320	(null)	05-02-2020
11	ISEQ$$_73318	(null)	05-02-2020
12	ISEQ$$_73322	(null)	05-02-2020