

#Note 0002 : Create table with Auto sequence as always in 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**

```
DROP TABLE demo_auto_seq_always;
```

```
CREATE TABLE demo_auto_seq_always (  
    id NUMBER GENERATED ALWAYS AS IDENTITY START WITH 100 INCREMENT BY 1,  
    object_name VARCHAR2(255) NOT NULL  
);
```

```
INSERT INTO demo_auto_seq_always (object_name) select object_name FROM user_objects;  
COMMIT;
```

```
SELECT * FROM demo_auto_seq_always WHERE ROWNUM < 10;
```

```
SELECT table_name,  
       column_name,  
       generation_type,  
       identity_options  
FROM all_tab_identity_cols  
WHERE owner = 'HR' and table_name='DEMO_AUTO_SEQ_ALWAYS'  
ORDER BY 1, 2;
```

****Note Screenshot**

1. Create table with IDENTITY ALWAYS , start with 100 and increment by 1

The screenshot shows the SQL Developer interface with the 'Query Builder' tab active. The SQL script in the main editor is as follows:

```
DROP TABLE demo_auto_seq_always;  
  
CREATE TABLE demo_auto_seq_always (  
    id NUMBER GENERATED ALWAYS AS IDENTITY START WITH 100 INCREMENT BY 1,  
    object_name VARCHAR2(255) NOT NULL  
);  
  
INSERT INTO demo_auto_seq_always (object_name) select object_name FROM user_objects;  
COMMIT;
```

Below the script, the 'Script Output' and 'Query Result' tabs are visible. The 'Script Output' tab shows the following messages:

```
Table DEMO_AUTO_SEQ_ALWAYS dropped.  
  
Table DEMO_AUTO_SEQ_ALWAYS created.  
  
37 rows inserted.  
  
Commit complete.
```

2. Result showing, value of column ID already filled by auto increment sequence value

The screenshot shows the SQL Developer interface with the 'Query Builder' tab active. The SQL query in the main editor is:

```
SELECT * FROM demo_auto_seq_always WHERE ROWNUM < 10;
```

Below the query, the 'Script Output' and 'Query Result' tabs are visible. The 'Query Result' tab shows the following data:

ID	OBJECT_NAME
100	SYS_C007409
101	REGIONS
102	ISEQ\$\$_73223
103	COUNTRIES
104	SYS_C007411
105	LOCATIONS
106	SYS_C007415
107	ISEQ\$\$_73228
108	WAREHOUSES

3. How to check table column with IDENTITY creation

[illegible]