

To convert Top 1 and normal subqueries.

```
( SELECT Top 1 SS. SUBTYPE FROM EDP_SRC_VIEWS. SERVICE_SUBTYPE_VW SS WHERE S.
SERVICE_ID = SS. SERVICE_ID AND SS. VOID_FLAG =
'N' ) X
```

Step 1 : paste query till table/view name in left join and remove Top 1

```
Left join (
    SELECT SS. SUBTYPE FROM EDP_SRC_VIEWS. SERVICE_SUBTYPE_VW
)
```

Step 2: check your where condition for dynamic and static filters , keep static filters like [column_name = 'Y', column_name = '2024-01-01'] inside left join and move dynamic filters like [a.column_name = b.column name] outside to ON condition.

```
WHERE S. SERVICE_ID = SS. SERVICE_ID AND SS. VOID_FLAG ='N'
```

Violet : is static column

Blue : is dynamic

```
Left join (
    SELECT SUBTYPE
FROM EDP_SRC_VIEWS. SERVICE_SUBTYPE_VW
    Where VOID_FLAG ='N'
) SSC
ON S. SERVICE_ID = SSC. SERVICE_ID
```

Step 3: In left join select statement add dynamic column coming from EDP_SRC_VIEWS. SERVICE_SUBTYPE_VW

```
Left join (
    SELECT SUBTYPE,
        SERVICE_ID
FROM EDP_SRC_VIEWS. SERVICE_SUBTYPE_VW
    Where VOID_FLAG ='N'
) SSC
ON S. SERVICE_ID = SSC. SERVICE_ID
```

Step 4: For Top 1 use Row_number function in left join select

```
Left join (
    SELECT SUBTYPE,
        SERVICE_ID,
        Row_number over (partition by SUBTYPE,SERVICE_ID order by SUBTYPE) as RN
FROM EDP_SRC_VIEWS. SERVICE_SUBTYPE_VW
    Where VOID_FLAG ='N'
) SSC
ON S. SERVICE_ID = SSC. SERVICE_ID
```

Step 5: Add RN = 1 after ON

```
Left join (  
    SELECT SUBTYPE,  
           SERVICE_ID,  
           Row_number over (partition by SUBTYPE,SERVICE_ID order by SUBTYPE) as RN  
FROM EDP_SRC_VIEWS. SERVICE_SUBTYPE_VW  
    Where VOID_FLAG ='N'  
) SSC  
ON S. SERVICE_ID = SSC. SERVICE_ID  
And RN = 1
```

Step 6: in your main query select column from leftjoin query

ORIGINAL :

```
    Select a,b,c  
    ( SELECT Top 1 SS. SUBTYPE FROM EDP_SRC_VIEWS. SERVICE_SUBTYPE_VW SS WHERE  
S. SERVICE_ID = SS. SERVICE_ID AND SS. VOID_FLAG =  
'N' ) X  
From table  
Left join .....  
Inner join .....
```

CONVERTED :

```
    Select a,b,c  
    SSC.X as X  
From table  
Left join .....  
Inner join .....  
Left join (  
    SELECT SUBTYPE,  
           SERVICE_ID,  
           Row_number over (partition by SUBTYPE,SERVICE_ID order by SUBTYPE) as RN  
FROM EDP_SRC_VIEWS. SERVICE_SUBTYPE_VW  
    Where VOID_FLAG ='N'  
) SSC  
ON S. SERVICE_ID = SSC. SERVICE_ID  
And RN = 1
```

Step 7: If you don't have TOP 1 in your query ignore 4,5