

FROM THIS

Employee	FromDate	TillDate	Before
David	2023-01-01	2023-01-10	Before

TO THIS

Employee	datum	After
David	2023-01-01	After
David	2023-01-02	After
David	2023-01-03	After
David	2023-01-04	After
David	2023-01-05	After
David	2023-01-06	After
David	2023-01-07	After
David	2023-01-08	After
David	2023-01-09	After
David	2023-01-10	After

```

1 with date(datum) as --Recursive query to create a list of dates; you could substitute a date dimension if you have one handy
2 (
3     select CAST('2023-01-01' AS DATE) --Anchor member: the start of the loop
4
5     union all
6
7     select DATEADD(DAY, 1, datum) --Recursive part, the addition to the anchor member that gets repeated
8     from date
9     where datum < CAST('2023-1-31' AS DATE) --Termination clause: when the loop should stop
10 )
11 , Datumljst as
12 (
13     select * from date
14 )
15
16 --create table dbo.FromDateTillDate --First create table
17 --(
18 -- Employee nvarchar(50),
19 -- FromDate date,
20 -- TillDate date
21 --)
22
23 --insert into dbo.FromDateTillDate --Insert the start- and enddate
24 --values ('David', '2023-01-01', '2023-01-10')
25
26 select Employee, dl.datum, 'After' as After
27 from dbo.FromDateTillDate ft
28 left join Datumljst dl on dl.datum between ft.FromDate and ft.TillDate --Join of the list of dates BETWEEN the values of columns [FromDate] and [TillDate]
29
30 select *, 'Before' as Before from dbo.FromDateTillDate --How the original table looked
31

```

109 %

Results Messages

	Employee	datum	After
1	David	2023-01-01	After
2	David	2023-01-02	After
3	David	2023-01-03	After
4	David	2023-01-04	After
5	David	2023-01-05	After
6	David	2023-01-06	After
7	David	2023-01-07	After
8	David	2023-01-08	After
9	David	2023-01-09	After
10	David	2023-01-10	After

	Employee	FromDate	TillDate	Before
1	David	2023-01-01	2023-01-10	Before

```

with date(datum) as
to create a list of dates; you could substitute a date dimension if you have one handy
(
    select CAST('2023-01-01' AS DATE)
the loop
    union all
    select DATEADD(DAY, 1, datum)
addition to the anchor member that gets repeated
    from date
    where datum < CAST('2023-1-31' AS DATE)
loop should stop
)
, DatumLijst as
(
    select * from date
)

--create table dbo.FromDateTillDate
--(
--    Employee nvarchar(50),
--    FromDate date,
--    TillDate date
--)

--insert into dbo.FromDateTillDate
enddate
--values ('David', '2023-01-01', '2023-01-10')

select Employee, dl.datum, 'After' as After
from dbo.FromDateTillDate ft
left join DatumLijst dl on dl.datum between ft.FromDate and ft.TillDate --Join of the list of dates
BETWEEN the values of columns [FromDate] and [TillDate]

select *, 'Before' as Before from dbo.FromDateTillDate --How the original table looked

```