DAY Dimension, Figure 1-5 – modify this for range of days, and for the fiscal period

DROP TABLE IF EXISTS DimensionDay;

-- Day dimension as shown in Figure 1-5
CREATE TABLE IF NOT EXISTS DimensionDay
(
    day_key serial primary key,
    fullDate date ,
    month_name character varying(20) ,
    month_abbr character(3) ,
    quarter integer ,
    year integer ,
    fiscal_period integer
);

-- **the following needs modification for day range and for *fiscal_period***

with recursive days (fulldate) as
(
values (to_date('1997-01-01','YYYYMMDD'))
        union
select fullDate + integer '1' from days
where fullDate < '1997-12-31'
)
-- to list values in days
--select fullDate,
--TO_CHAR (fullDate, 'Month') as month_name,
--TO_CHAR (fullDate, 'Mon') as month_abbr,
--extract (QUARTER from fullDate) as quarter,
--extract (YEAR from fullDate) as year
-- need to get the fiscal period too
--from days;

-- to insert rows into DimensionDay
insert into DimensionDay (fullDate,month_name,month_abbr,quarter,year)
select fullDate ,
TO_CHAR (fullDate, 'Month') as month_name,
TO_CHAR (fullDate, 'Mon') as month_abbr,
extract (QUARTER from fullDate) as quarter,
extract (YEAR from fullDate) as year
--
-- **need to get the fiscal period too**
--
from days;

select * from DimensionDay;