SQL Calendar Rollover

SQL for rolling over tblSlotCalendarByYear, tblCalendarDates, tblPayroll and PayrollRun.

```
-- Run the SQL by parts
-------------------------------------------------------------------------------
-----------------------------------------------
-- check how many tracks
select Distinct TrackID from tblCalendarDates order by TrackID asc; --- 1

-------------------------------------------------------------------------------
-----------------------------------------------
-- check the calendar old FY
Declare @PrevFiscalYear INT
Declare @NewFiscalYear INT

SET @PrevFiscalYear = 2018
SET @NewFiscalYear = 2019
select * from tblSlotCalendarByYear
    where fiscalyear in (@PrevFiscalYear,@NewFiscalYear)
    and (CalendarName not like 'x%' and len([CalendarName]) != 0 and len
([CalendarName]) > 1)


-------------------------------------------------------------------------------
-----------------------------------------------
-- Roll Over calendar
Declare @PrevFiscalYear INT
Declare @NewFiscalYear INT

SET @PrevFiscalYear = 2018
SET @NewFiscalYear = 2019
Insert into tblSlotCalendarByYear(
        SlotCalendarID,
        FiscalYEar,
        calendarName,
        mthwk,
        paiddays,
        TrackID
    )
    select
        SlotCalendarID,
        @NewFiscalYear, -- FY to rollover to
        calendarName,
        mthwk,
        paiddays,
        TrackID
    from tblSlotCalendarByYear
        where Fiscalyear = @PrevFiscalYear  -- FY to copy it from
        and slotCalendarId not in (
                select slotCalendarId from tblslotCalendarByYear
```

```
                where fiscalyear = @NewFiscalYear -- FY to rollover to

        )and (CalendarName not like 'x%' and len([CalendarName]) != 0 and
len([CalendarName]) > 1)


--------------------------------------------------------------------------
-------------------------------------------------
-- check the calendar new FY
Declare @NewFiscalYear INT

SET @NewFiscalYear = 2019
select * from tblSlotCalendarByYear where fiscalyear in (@NewFiscalYear)

--------------------------------------------------------------------------
-------------------------------------------------
-- check tblCalendarDates
Declare @PrevFiscalYear INT
Declare @NewFiscalYear INT

SET @PrevFiscalYear = 2018
SET @NewFiscalYear = 2019

select * from tblCalendarDates where FiscalYear = @PrevFiscalYear --
previous FY

--------------------------------------------------------------------------
-------------------------------------------------
-- process tblCalendarDates
Declare @PrevFiscalYear INT
Declare @NewFiscalYear INT

SET @PrevFiscalYear = 2018
SET @NewFiscalYear = 2019

Insert into tblCalendarDates(
        FiscalYEar,
        CalendarDate,
        [DayOfWeek],
        DateTypeId,
        TrackID
    )
    select
        @NewFiscalYear,
        DateAdd(yy, 1, Cast(CalendarDate As datetime)),
        Left(datename(dw,DateAdd(yy, 1, Cast(CalendarDate As datetime))),
3),
        (case
                    When datename(dw,DateAdd(yy, 1, Cast(CalendarDate As
datetime))) = 'Saturday' then 2
                    When datename(dw,DateAdd(yy, 1, Cast(CalendarDate As
datetime))) = 'Sunday' then 2
                    Else 1
```

```
        END),
        TrackID
    from tblCalendarDates
        where Fiscalyear = @PrevFiscalYear  -- FY to copy it from
        and CalendarDate != '02/29/2016'


-------------------------------------------------------------------------------
--------------------
-- verify
Declare @PrevFiscalYear INT
Declare @NewFiscalYear INT

SET @PrevFiscalYear = 2018
SET @NewFiscalYear = 2019

select * from tblCalendarDates where FiscalYear = @NewFiscalYear -- new FY
    order by trackID asc,
        CalendarDate asc;



-- Get old PayPeriods
Declare @PrevFiscalYear INT
Declare @NewFiscalYear INT

SET @PrevFiscalYear = 2018
SET @NewFiscalYear = 2019

-- check for new FY entered
select * from tblPayroll where FiscalYear in (@PrevFiscalYear,
@NewFiscalYear) -- previous and new FY


-------------------------------------------------------------------------------
--------------------
--- corcoran district use this block


-- Insert new PayPeriods
Declare @PrevFiscalYear INT
Declare @NewFiscalYear INT

SET @PrevFiscalYear = 2018
SET @NewFiscalYear = 2019

Insert into tblPayroll(
                PayrollID,
        FiscalYear,
        PayPeriod,
        StartDate,
        EndDate,
        StartDateSecondary,
```

```
        EndDateSecondary,
        DistrictID,
        PayrollMonthNum,
        OldId,
        Closed,
        BenefitStart,
        BenefitEnd,
        BaseLastGenDate,
        SuppFinalDate,
        CertRetireCloseDate,
        ClassRetireCloseDate
    )

-- Insert new PayPeriods
    select
                isnull(( select max(isnull(PayrollID,0))  from tblPayroll
),0) + ( ROW_NUMBER() over (order by PayrollID) ),
        @NewFiscalYear,
        (CASE
            WHEN Substring(PayPeriod,len(PayPeriod),1) = 1 THEN REPLACE
(PayPeriod, Substring(PayPeriod,len(PayPeriod),1), convert(varchar,Cast
(Substring(PayPeriod,len(PayPeriod),1)+1 as decimal(10,0))))
            ELSE
                REPLACE(PayPeriod, Substring(PayPeriod,len(PayPeriod)
-1,2), convert(varchar,Cast(Substring(PayPeriod,len(PayPeriod)-1,2)+1 as
decimal(10,0))))
            END
        ),
        DateAdd(yy, 1, Cast(StartDate As datetime)),
        DateAdd(yy, 1, Cast(EndDate As datetime)),
        DateAdd(yy, 1, Cast(StartDateSecondary As datetime)),
        DateAdd(yy, 1, Cast(EndDateSecondary As datetime)),
        DistrictID,
        PayrollMonthNum,
        0,
        0,
        Null,
        Null,
        Null,
        Null,
        Null,
        Null
    from tblPayroll where FiscalYear in (@PrevFiscalYear) -- previous FY
    AND
         Substring(PayPeriod,len(PayPeriod),1) != 'l'

--- corcoran (end)
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-- Insert new PayPeriods
Declare @PrevFiscalYear INT
```

```
Declare @NewFiscalYear INT

SET @PrevFiscalYear = 2018
SET @NewFiscalYear = 2019

Insert into tblPayroll(
        FiscalYear,
        PayPeriod,
        StartDate,
        EndDate,
        StartDateSecondary,
        EndDateSecondary,
        DistrictID,
        PayrollMonthNum,
        OldId,
        Closed,
        BenefitStart,
        BenefitEnd,
        BaseLastGenDate,
        SuppFinalDate,
        CertRetireCloseDate,
        ClassRetireCloseDate
    )
    select
        @NewFiscalYear,
        (CASE
            WHEN Substring(PayPeriod,len(PayPeriod),1) = 1 THEN REPLACE
(PayPeriod, Substring(PayPeriod,len(PayPeriod),1), convert(varchar,Cast
(Substring(PayPeriod,len(PayPeriod),1)+1 as decimal(10,0))))
            ELSE
                REPLACE(PayPeriod, Substring(PayPeriod,len(PayPeriod)
-1,2), convert(varchar,Cast(Substring(PayPeriod,len(PayPeriod)-1,2)+1 as
decimal(10,0))))
            END
        ),
        DateAdd(yy, 1, Cast(StartDate As datetime)),
        DateAdd(yy, 1, Cast(EndDate As datetime)),
        DateAdd(yy, 1, Cast(StartDateSecondary As datetime)),
        DateAdd(yy, 1, Cast(EndDateSecondary As datetime)),
        DistrictID,
        PayrollMonthNum,
        0,
        0,
        Null,
        Null,
        Null,
        Null,
        Null,
        Null
    from tblPayroll where FiscalYear in (@PrevFiscalYear) -- previous FY
    AND
         Substring(PayPeriod,len(PayPeriod),1) != 'l'
```

```
SELECT Substring(PayPeriod,len(PayPeriod),1) FROM tblPayroll WHERE
FiscalYear = 2018
--------------------------------------------------------------------------
---------------------
-- verify
Declare @PrevFiscalYear INT
Declare @NewFiscalYear INT

SET @PrevFiscalYear = 2018
SET @NewFiscalYear = 2019

select * from tblPayroll where FiscalYear = @NewFiscalYear -- new FY

--------------------------------------------------------------------------
---------------------
-- verify old payrollRUN
Declare @PrevFiscalYear INT
Declare @NewFiscalYear INT

SET @PrevFiscalYear = 2018
SET @NewFiscalYear = 2019
select
    pr.ID,
    pr.PayrollID,
    pr.PayrollRunTypeID,
    pr.[Description],
    pr.DateToBePrinted,
    pr.DateRun,
    pr.DateClosed,
    pr.StartDate,
    pr.EndDate,
    pr.CompFilterID,
    pr.TimeSheetFilterID,
    pr.DeductionFilterID,
    pr.TemplateDeductionFilterID,
    pr.GenerateBegin,
    pr.GenerateEnd,
    pr.PayrollProfileId
from PayrollRun pr
right join tblPayroll tbpr
    on pr.PayrollID = tbpr.PayrollID
where tbpr.FiscalYear = @PrevFiscalYear
and PayrollRunTypeId in (1,2);


--------------------------------------------------------------------------
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-- Process PayrollRun
Declare @PrevFiscalYear INT
Declare @NewFiscalYear INT
```

```
SET @PrevFiscalYear = 2018
SET @NewFiscalYear = 2019

select
    null as PayrollID,
    PayrollRunTypeId,
    (replace([Description], cast(substring([Description], PatIndex('%[0-
9]%', [Description]), 4) as int), cast(substring([Description], PatIndex('%
[0-9]%', [Description]), 4) as int) + 1)) as [Description],
    dateadd(year,1,DateToBePrinted) as DateToBePrinted,
    null as DateRun,
    null as DateClosed,
    dateadd(year,1,StartDate) as StartDate,
    dateadd(year,1,EndDate) as EndDate,
    CompFilterID as CompFilterID,
    TimeSheetFilterID as TimeSheetFilterID,
    DeductionFilterID as DeductionFilterID,
    TemplateDeductionFilterID as TemplateDeductionFilterID,
    Null as GenerateBegin,
    Null as GenerateEnd,
    PayrollProfileId as PayrollProfileId
into #temp
from PayrollRun
where
    PayrollId in (
        select
            PayrollID
        from tblPayroll
        where
            FiscalYear = @PrevFiscalYear
    )
and PayrollRunTypeId != 99


-- Process PayrollRun
Declare @newFY INT

SET @newFY = 2019

update #temp
    set
        PayrollID = pr.PayrollID
from #temp tmp
inner join
    tblPayroll pr
    on tmp.[Description] like '%'+pr.PayPeriod+'%'
    and pr.FiscalYear = @newFY



Declare @PrevFiscalYear INT
Declare @NewFiscalYear INT
```

```
SET @PrevFiscalYear = 2018
SET @NewFiscalYear = 2019

Insert into PayrollRun(
        PayrollID,
        PayrollRunTypeID,
        [Description],
        DateTobePrinted,
        DateRun,
        DateClosed,
        StartDate,
        EndDate,
        CompFilterID,
        TimeSheetFilterID,
        DeductionFilterID,
        TemplateDeductionFilterID,
        GenerateBegin,
        GenerateEnd,
        PayrollProfileId
    )
select
        te.PayrollID,
        te.PayrollRunTypeID,
        te.[Description],
        te.DateTobePrinted,
        te.DateRun,
        te.DateClosed,
        te.StartDate,
        te.EndDate,
        te.CompFilterID,
        te.TimeSheetFilterID,
        te.DeductionFilterID,
        te.TemplateDeductionFilterID,
        te.GenerateBegin,
        te.GenerateEnd,
        te.PayrollProfileId
from #TEMP te

drop table #temp


-------------------------------------------------------------------------------
-------------
-- verify PayrollRun
Declare @PrevFiscalYear INT
Declare @NewFiscalYear INT

SET @PrevFiscalYear = 2018
SET @NewFiscalYear = 2019
select
    pr.ID,
    pr.PayrollID,
    pr.PayrollRunTypeID,
```

```
    pr.[Description],
    pr.DateToBePrinted,
    pr.DateRun,
    pr.DateClosed,
    pr.StartDate,
    pr.EndDate,
    pr.CompFilterID,
    pr.TimeSheetFilterID,
    pr.DeductionFilterID,
    pr.TemplateDeductionFilterID,
    pr.GenerateBegin,
    pr.GenerateEnd
from PayrollRun pr
right join tblPayroll tbpr
    on pr.PayrollID = tbpr.PayrollID
where tbpr.FiscalYear = @NewFiscalYear;

-------------------------------------------------------------------------
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select CONCAT(COLUMN_NAME,',') from INFORMATION_SCHEMA.COLUMNS  where
table_name = 'PayrollRun '

INSERT INTO PayrollRun(
    PayrollId,
    PayrollRunTypeId,
    [Description],
    DateToBePrinted,
    DateRun,
    DateClosed,
    StartDate,
    EndDate,
    CompFilterId,
    TimeSheetFilterId,
    DeductionFilterId,
    TemplateDeductionFilterId,
    GenerateBegin,
    GenerateEnd,
    PayrollGroups,
    PayrollProfileId
)
SELECT
    (SELECT PayrollId FROM tblPayroll WHERE PayPeriod = 'JULY 2019'), --
PayrollId
    PayrollRunTypeId,
    'JULY 2019 Deferred',
    DATEADD(YEAR, 1,DateToBePrinted), -- DateToBePrinted
    DATEADD(YEAR, 1,DateRun), --DateRun
    null,
    DATEADD(YEAR, 1,StartDate), -- StartDate
    DATEADD(YEAR, 1,EndDate), -- EndDate
    CompFilterId,
    TimeSheetFilterId,
```

```
    DeductionFilterId,
    TemplateDeductionFilterId,
    null,
    null,
    PayrollGroups,
    PayrollProfileId
FROM PayrollRun
WHERE
    [Description] LIKE 'JULY %DEF%'
    AND PayrollId IN (SELECT PayrollId FROM tblPayroll WHERE FiscalYear =
2018)


INSERT INTO PayrollRun(
    PayrollId,
    PayrollRunTypeId,
    [Description],
    DateToBePrinted,
    DateRun,
    DateClosed,
    StartDate,
    EndDate,
    CompFilterId,
    TimeSheetFilterId,
    DeductionFilterId,
    TemplateDeductionFilterId,
    GenerateBegin,
    GenerateEnd,
    PayrollGroups,
    PayrollProfileId
)
SELECT
    (SELECT PayrollId FROM tblPayroll WHERE PayPeriod = 'AUG 2019'), --
PayrollId
    PayrollRunTypeId,
    'AUG 2019 Deferred',
    DATEADD(YEAR, 1,DateToBePrinted), -- DateToBePrinted
    DATEADD(YEAR, 1,DateRun), --DateRun
    null,
    DATEADD(YEAR, 1,StartDate), -- StartDate
    DATEADD(YEAR, 1,EndDate), -- EndDate
    CompFilterId,
    TimeSheetFilterId,
    DeductionFilterId,
    TemplateDeductionFilterId,
    null,
    null,
    PayrollGroups,
    PayrollProfileId
FROM PayrollRun
WHERE
    [Description] LIKE 'AUG %DEF%'
    AND PayrollId IN (SELECT PayrollId FROM tblPayroll WHERE FiscalYear =
```

```
2018)


SELECT *
FROM PayrollRun
WHERE
    [Description] LIKE '%DEF%'


 select *
 from tblPayroll
 where
    FiscalYear = 2019
--------------------------------------------------------------------------------
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 drop table #TEMPS

-- whack mode
-- erase what we rolled over (in case we mess up)
Declare @NewFiscalYear INT

SET @NewFiscalYear = 2019

-- whack from;
-- tblPayroll
delete from tblPayroll where FiscalYear = @NewFiscalYear
-- tblCalendarDates
delete from tblCalendarDates where FiscalYear = @NewFiscalYear
-- tblSlotCalendarByYear
delete from tblSlotCalendarByYear where Fiscalyear  = @NewFiscalYear
-- PayrollRun
delete from PayrollRun pr
right join tblPayroll tbpr
    on pr.PayrollID = tbpr.PayrollID
where tbpr.FiscalYear = @NewFiscalYear;

-- EOF

SELECT *
FROM tblPayroll
WHERE
    FiscalYear = 2019

update tblPayroll
    set
        PayPeriod = 'JUNE 2020'
where
    FiscalYear = 2019
    AND PayrollID = 1596
```