

# Temporary tables

- Temp tables are used for the large temporary storage of data.
- Only use local temp tables.
- Use temporary tables cautiously / only when necessary e.g. early filtering in reports / complex queries.
- When a temporary table is used in a stored procedure, evaluate if it is absolutely necessary.
- Ensure that temporary table are always explicitly dropped at the end of the stored procedure.
- When the possibility exist that the temp table does not exist test its existence in the temp..DB before dropping e.g. conditionally created temp table

```
IF OBJECT_ID('tempdb..#TheTable') IS NOT NULL
BEGIN
/*Do Stuff*/
END
```

- Create the table before addition when a fixed definition is required or multiple data sources are used to populate it

```
CREATE TABLE #LeaveCycles(
    StartDate DATETIME,
    EndDate DATETIME,
    LeaveTypeId INT,
    Name VARCHAR(200) COLLATE DATABASE_DEFAULT,
    CycleId INT,
    CreatedDate DATETIME,
    EmployeeId INT
)
```

```
INSERT INTO #LeaveCycles(
    StartDate
, EndDate
, LeaveTypeId
, Name
, CycleId
, CreatedDate
, EmployeeId
```

)

EXEC LeaveCalculateActiveCyclesByLeaveType

@EmployeeId = @EmployeeId,

@SchemaId = @SchemaId,

@LeaveTypeId = @LeaveTypeId,

@IsHistoric = @IsHistoric

- When a single table is used a select into can be done to create the temp table

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