**Building Dictionary (Data Gathering Requirements Document) for each database**

**Step1: Use the blank template. The blank template has three rows which is identified by green colors**

Application

Description automatically generated

**Step 2: List table names**

**Step 3: For each table list all attributes**

**Step 4: For every attribute list all appropriate keys (PK,FK,NN,IDX,CC,IDX,PGM,UQ)**

**Step 5: Distribute key values to their own column**

Table

Description automatically generated with medium confidence

**Step 6: locate the last ID used from “Last ID Used” worksheet**

Table

Description automatically generated

**Step 7: Post the last ID numbers used from “Last ID Used” worksheet in appropriate columns in row #3**

Calendar

Description automatically generated

Step 8: Post the new ID numbers by adding one to the last ID number used(C3). List of the last ID used is available in template worksheet or provided by the instructor (DG admin)

**Step 9: DG Tables**

Based on the following CTREAT TABLE and sample INSERT statement, develop the INSERT statement

create table DG\_Tables(

Table\_ID varchar(80),

Table\_Name varchar(80),

Database\_ID int,

description varchar(80),

create\_date date,

modify\_date date,

constraint DG\_Tables\_Table\_ID\_PK primary key (Table\_ID),

CONSTRAINT DG\_Tables\_Database\_ID\_FK FOREIGN KEY (Database\_ID) REFERENCES DG\_Schema(schema\_ID));

--Sample INSERT Statement

--insert into DG\_tables values( 'DGT00001','backorder',1,'backorder\_Table',' 8/9/2021 ',' ');

Refer to the worksheet from DGR Template for DG\_Tables

**Step 10: DG Attributes**

Based on the following CTREAT TABLE and sample INSERT statement, develop the INSERT statements

create table DG\_Attributes(

Table\_id varchar(80),

Table\_Name varchar(80),

Attributes\_ID varchar(80),

Attributes\_Name varchar(80),

comment varchar(80),

create\_date date,

modify\_date date,

constraint DG\_Attributes\_Attributes\_ID\_PK primary key (Attributes\_ID),

CONSTRAINT DG\_Attributes\_Table\_ID\_FK FOREIGN KEY (Table\_ID) REFERENCES DG\_Tables(Table\_ID));

--Sample INSERT Statement

--insert into DG\_Attributes values( 'DGT00001','backorder','DGT\_Attributes\_ID\_3','backorder\_no','',' 8/7/2021 ',' ');

Refer to the worksheet from DGR Template for DG\_Tables

Step 11: DGAttributes\_PK

Based on the following CTREAT TABLE and sample INSERT statement, develop the INSERT statements

create table DG\_Attributes\_PK(

Constraint\_name varchar(80),

Constraint\_Type varchar(80),

PK\_ID varchar(80),

Attributes\_ID varchar(80),

Comment varchar(80),

create\_date date,

modify\_date date,

constraint DG\_Attributes\_PK\_PK\_ID\_Attributes\_ID\_PK primary key (PK\_ID,Attributes\_ID),

CONSTRAINT DG\_Attributes\_PK\_Attributes\_ID\_FK FOREIGN KEY (Attributes\_ID) REFERENCES DG\_Attributes(Attributes\_ID));

insert into DG\_Attributes\_PK values( 'Dept\_Branch\_Branch\_NO\_PK','PK','DGC\_PK\_ID\_1','DGT\_Attributes\_ID\_47','',' 8/7/2021 ',' ');

Step 12-step 16

Repeat Step 11 for DGAttributes\_FK, DGAttributes\_NN, DGAttributes\_CC, DGAttributes\_IDX, DGAttributes\_PGM