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REM *** BONUS TABLES.SQL (text file)
REM *** Copyright 2022 Ryan Stephens
REM *** Free use for personal educational purposes
REM *** Creates base tables AND bonus tables for BIRDS schema for a user account that you create
REM *** Syntax: Oracle SQL, Standard SQL
REM *** Assumption: access to a database under which you have the authority to run this script
REM *** Note 1: Though portable, modifications may be required for other vendor implementations
REM *** Note 2: This file can be executed from a command prompt
REM *** Note 3: The order of statements are important and adhere to PRIMARY and FOREIGN keys
REM *** Note 4: Make another copy of this file and modify as you see fit as you practice SQL
REM *** Note 5: This file is provided as a courtesy, support is not available for modifications
drop table birds_food;
drop table birds nests;
drop table birds migration;
drop table migration;
drop table nests;
drop table food;
drop table photos;
drop table locations;
drop table nicknames;
drop table favorite birds;
drop table photographer cameras;
drop table photographer styles;
drop table photographers;
drop table cameras;
drop table photo levels;
drop table photo styles;
drop table birds_predators;
drop table predators;
drop table birds;
```

create table birds

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(bird id
              number(3)
                            not null
                                           primary key,
bird_name
              varchar(30)
                            not null
                                           unique,
height
              number(4,2)
                            not null,
weight
              number(4,2)
                            not null,
wingspan
              number(4,2)
                            null,
              number(2)
                            not null,
eggs
broods
             number(1)
                            null,
incubation
              number(2)
                            not null,
fledging
              number(3)
                            not null,
nest builder char(1)
                            not null);
create table nicknames
(bird id
            number(3)
                            not null,
nickname
              varchar(30)
                          not null,
constraint nicknames_pk primary key (bird_id, nickname),
constraint nicknames bird id fk foreign key (bird id) references birds (bird id));
create table locations
(location id number(2)
                           not null
                                           primary key,
location name varchar(30) not null
                                           unique);
create table photos
(photo id
                     number(5) not null
                                                 primary key,
photo file
                     varchar(30)
                                   not null
                                                  unique,
photo date
                     date
                                   not null,
photo_location_id
                     number(2)
                                   not null,
bird id
                     number(3)
                                   not null,
constraint photos_bird_id foreign key (bird_id) references birds (bird_id),
constraint photos_locatino_id foreign key (photo_location_id) references locations
(location id));
create table food
(food_id
            number(3)
                           not null
                                          primary key,
                            not null
food name
              varchar(30)
                                           unique);
create table birds food
(bird id
            number(3)
                            not null,
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food id
              number(3)
                          not null,
constraint birds_food_pk primary key (bird_id, food_id),
constraint birds food bird fk foreign key (bird id) references birds (bird id),
constraint birds food food fk foreign key (food id) references food (food id));
create table nests
(nest id
            number(1)
                           not null
                                         primary key,
            varchar(20) not null
                                          unique);
nest name
create table birds_nests
(bird id
             number(3)
                           not null
                                        primary key,
nest id
              number(1)
                           not null,
constraint birds nests bird fk foreign key (bird id) references birds (bird id),
constraint birds_nests_nest_fk foreign key (nest_id) references nests (nest_id));
create table migration
(migration id
                     number(2) not null
                                                primary key,
migration location
                    varchar(30) not null
                                                unique);
create table birds migration
(bird id
                    number(3)
                                  not null,
migration id
                     number(2) not null,
constraint birds migration pk primary key (bird id, migration id),
constraint birds migration bird fk foreign key (bird id) references birds (bird id),
constraint birds migration migration fk foreign key (migration id) references migration
(migration id));
create table predators
(pred_id
            number(3)
                           not null
                                        primary key,
predator
            varchar(30) not null);
create table birds predators
(bird id
            number(3)
                           not null,
pred id
            number(3)
                           not null,
constraint bp pk primary key (bird id, pred id),
constraint bp_fkl foreign key (bird_id) references birds (bird_id),
constraint bp_fk2 foreign key (pred_id) references predators (pred_id));
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create table photo_styles
(style id
           number(3) not null primary key,
style varchar(30) not null);
create table photo_levels
(level id
           number(3) not null primary key,
photo level varchar(30) not null);
create table cameras
                         not null primary key,
(camera id number(3)
           varchar(30) not null);
camera
create table photographers
(photographer id
                  number(3)
                                not null
                                             primary key,
photographer varchar(30) not null,
mentor photographer id
                         number(3) null,
level id
                   number(3) not null,
constraint p_fkl foreign key (mentor_photographer_id) references photographers
(photographer id),
constraint p_fk2 foreign key (level_id) references photo_levels (level_id));
create table favorite birds
(photographer id
                  number(3) not null,
bird id
                   number(3)
                                not null,
constraint fb pk primary key (photographer id, bird id),
constraint fb fkl foreign key (photographer id) references photographers (photographer id),
constraint fb fk2 foreign key (bird id) references birds (bird id));
create table photographer_styles
(photographer id
                  number(3)
                                not null,
                  number(3) not null,
style id
constraint ps_pk primary key (photographer_id, style_id),
constraint ps_fkl foreign key (photographer_id) references photographers (photographer_id),
constraint ps fk2 foreign key (style id) references photo styles (style id));
create table photographer cameras
```