```
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 birds;




create table birds
(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,
eggs            number(2)     not null,
broods          number(1)     null,
incubation      number(2)     not null,
fledging        number(3)     not null,
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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_location_id foreign key (photo_location_id) references locations
(location_id));


create table food

(food_id        number(3)       not null        primary key,

food_name       varchar(30)     not null        unique);


create table birds_food

(bird_id        number(3)       not null,

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,

nest_name       varchar(20)     not null        unique);
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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));
```