

## **ANIMAL**

Animal\_id  
Species\_id  
Animal\_name  
Animal\_age  
Animal\_size  
Animal\_color  
Bio

## **SPECIES**

Species\_id  
Animal\_id

## **Old ANIMALS**

Species\_id  
Animal\_id  
Animal\_name  
Animal\_age

## **YOUNG ANIMALS**

Species\_id  
Animal\_id  
Animal\_name  
Animal\_age

## **RELATIONS**

### **ONE TO MANY:**

Species => animals  
Animals => age

### **MANY TO MANY**

Animals ⇔ age

```
CREATE TABLE Animals(  
  animal_id SERIAL PRIMARY KEY,  
  species_id INTEGER NOT NULL REFERENCES Species(species_id),  
  animal_age NUMERIC,  
  animal_name VARCHAR(30),  
  animal_size INTEGER,  
  animal_color VARCHAR(20),  
  bio VARCHAR(500)  
);
```

```
CREATE TABLE Species(  
  species_id SERIAL PRIMARY KEY,  
  animal_id INTEGER NOT NULL REFERENCES Animals(animal_id)  
);
```

```
CREATE TABLE OldAnimals(  
  species_id INTEGER NOT NULL REFERENCES Species(species_id),  
  animal_id INTEGER NOT NULL REFERENCES Animals(animal_id),  
  animal_name INTEGER NOT NULL REFERENCES Animals(animal_name),  
  animal_age INTEGER NOT NULL REFERENCES Animals(animal_age)  
);
```

```
CREATE TABLE YoungAnimals(  
  species_id INTEGER NOT NULL REFERENCES Species(species_id),  
  animal_id INTEGER NOT NULL REFERENCES Animals(animal_id),  
  animal_name INTEGER NOT NULL REFERENCES Animals(animal_name),  
  animal_age INTEGER NOT NULL REFERENCES Animals(animal_age)  
);
```