

## Part 3/4

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–Create view winws as select * from winter_weight natural join weight order by
weight.animal_id;
–Create view weanws as select * from wean_weight natural join weight order by
weight.animal_id;
–Create view sws as select * from sale_weight natural join weight order by weight.animal_id;
Create view damtags as select distinct dam as tag from animal;
Create view dams as a.* from animal as a natural join damtags as d;
Create view kids as select a.* from animal as a inner join dams as d on a.dam = d.tag order by
a.dam;
Create view nk as select dam, count(animal_id) as num_kids from kids group by dam;
Create view damwnk as select * from dams join nk on dams.tag = nk.dam;
Create view kidwns as select kids.*, nk.num_kids from kids join nk on kids.dam = nk.dam;
Create view damwbw as select d.*, b.WValue from damwnk as d join birth_weight as b on
d.animal_id = b.animal_id;
Create view kidwbw as select k.*, b.WValue from kidwns as k join birth_weight as b on
b.animal_id = b.animal_id;
–Create view damwweanw as select d.*, w.WValue from damwbw as d join weanws as w on
d.animal_id = w.animal_id;
–Create view kidwweanw as select k.*, w.WValue from kidwbw as k join weanws as w on
b.animal_id = w.animal_id;

–Create view damwsw as select d.*, s.WValue from damwweanw as d join sws as s on
d.animal_id = s.animal_id;
–Create view kidwsw as select k.*, s.WValue from kidwweanw as k join winws as s on
b.animal_id = s.animal_id;
```

## Part 5

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# At this point, damwsw and kidwsw have all single value attributes we need for progeny
#report, and we can loop as follows:WeanWYear
# for dam in damwsw:
#     draw table row up to weaning weight
#     for winterweight in winws where dam.animal_id = winterweight.animal_id:
#         add winter weight to dict k=year, v=weight
#     add winws dict to table row
#     add saleweight to table row
#     For kid in kidwsw where kid.dam = dam.tag:
#         Draw row for kid up to weaning weight
#         For winterweight in winws where kid.animal_id = winterweight.animal_id:
```

```
#           Add winter weight to dict k=year, v=weight
# Add winter weights dict to table row
# Add saleweight to table row
```