```
CREATE VIEW Goat AS
      SELECT animal id AS goat id, sex, overall adg, dob
      FROM Animal;
CREATE VIEW Picklist AS
      SELECT picklistvalue id, value
      FROM PicklistValue;
CREATE VIEW Trait AS
      SELECT animal id, trait code, value
      FROM SessionAnimalActivity;
Queries:
ACCEPT inputYear1, inputYear 2
SELECT birth_year, birth_weight
FROM Goat
WHERE inputYear1=birth year OR inputYear2=birth year
ORDER BY birth year;
Average / Mean : SELECT avg(column) AS column avg. FROM table;
Median: SELECT. percentile cont(.5) WITHIN GROUP (ORDER BY column) FROM
table name;
SELECT value, overall adg
FROM Trait JOIN Goat ON goat id=animal id
WHERE trait code=(
      SELECT picklistvalue id FROM picklist value WHERE value= "vigor score";
) OR trait code=(
      SELECT picklistvalue id FROM picklist value WHERE value= "Dead";
)
```

Our database will be created from three views: Goat, Picklist, and Trait. Goat has four attributes: goat_id, sex, overall_adg, and dob. The picklist view has two attributes: picklistvalue_id, and value. These values identify the traits that are used in the Trait view. For example, the picklistvalue_id value 230 identifies the vigor score for each goat. The Trait view has 3 attributes: animal_id, trait_code, and value.

The first set of queries we wrote accept input for two birth years in the database. The queries then get the birth_year and birth_weight from these years. We calculate the average and median birth weight from this data. The second set of queries gets the average daily weight gain and the vigor score for all goats so that we can compare the two statistics.