MySQL Queries

1. Retrieve the recipes of the dish by a name through input
2. Retrieve the names of the dishes that have less than x calories
   Select name, cal
   From food
   Where cal<x;
3. List all the dishes that take lesser than 30 minutes of preparation
   Select name,
   From Food
   Where time<30;

4. List all the dishes that use at most 5 ingredients
   Select
   From Food f, Contains c
   Where f.fid=c.fid
   And f.fid in (select f.fid from food f, contains c where f.fid=c.fid group by c.fid having count(*)<6));

5. Count the number of dishes that can be prepared by a certain ingredient and display them in alphabetical order
   Select distinct f.name
   From food f
   Where f.fid=c.fid and
   i.ing_name like

6. List all the dishes suitable for lactose intolerant users
   Select f.name
   From food f, contains c, ingredients_type it
   Where f.fid=c.fid and
          It.ing_id=c.ing_id and
          Not exists(select * from ingredients_type it where it.name like '%Dairy%');

7. List all the dishes that are healthy (low calorie and low sodium level)
   Select name, cal,sodium
   From food

Where cal<500 and sodium<1000;

8. List all the dishes appropriate as post work-out meals (high protein)
   Select name, protein
   From food
   Where protein>0.2*cal;

9. List all the dishes for a pescatarian diet
10. Retrieve all the non-vegetarian dishes that cook in less than an hour, and uses carrots.