

```
mysql> SOURCE C:\Users\15856\Documents\Database\PE\PE08\KhorramrouzPE08soln.sql
Database changed
```

```
-- 1. Show all recipes that have "Mom" as the source
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```
select name from recipe
where Source LIKE '%Mom%'
-----
```

```
+-----+
| name          |
+-----+
| Linguine Pescadoro |
| Zuppa Inglese      |
+-----+
2 rows in set (0.00 sec)
```

```
-- 2. Show the names of recipes that have fewer than 800 calories per serving
```

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```

```
select recipe.name from recipe JOIN nutrition USING (recipeId)
where nutrition.name = "calories" and quantity < 800
-----
```

```
+-----+
| name          |
+-----+
| Linguine Pescadoro |
| Zuppa Inglese      |
| Crispy Fried Chicken |
+-----+
3 rows in set (0.00 sec)
```

```
-- 3. a shopping list of ingredients (item and quantity) for cooking Beef Parmesan
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```

```
select ingredients.name, quantity from ingredients JOIN ingredientlist
USING(ingredientId)
JOIN recipe Using(recipeId)
WHERE recipe.name LIKE "%Beef Parmesan%"
-----
```

```
+-----+-----+
| name                  | quantity |
+-----+-----+
| beef cube steak       | 1.5      |
| onion, sliced into thin rings | 1        |
| green bell pepper, sliced in rings | 1        |
+-----+-----+
```

Italian seasoned bread crumbs	1
grated Parmesan cheese	0.5
olive oil	0.125
spaghetti sauce	1
shredded mozzarella cheese	0.5
angel hair pasta	1
garlic	1
butter	0.125

11 rows in set (0.00 sec)

```
-- 4. Find recipes that do not use beef, pork, chicken, or lamb
-----
SELECT distinct recipe.name from recipe where recipeid NOT IN(
    select recipeId from ingredients JOIN ingredientlist USING(ingredientId)
    where type in("pork","beef","chicken","lamb"))
-----
```

name
Linguine Pescadoro
Zuppa Inglese
Lobster Thermadore

3 rows in set (0.00 sec)

```
-- 5. Find name of fish recipes with fewer than 700 calories per serving
-----
select distinct recipe.name from recipe join nutrition Using(recipeId)
JOIN ingredientlist USING(recipeId)
JOIN ingredients USING(ingredientId)
WHERE type = "fish" and unit = "calories" and nutrition.quantity < 700
-----
```

name
Linguine Pescadoro

1 row in set (0.00 sec)

mysql> notee