

## CENG 351 DATABASE HOMEWORK 2

**1)**

```
CREATE TABLE Meal(name varchar2(10) not null,city varchar2(10),type  
varchar2(10),username varchar2(10),PRIMARY KEY(name));
```

```
CREATE TABLE Ingredient(name varchar2(10) not null,PRIMARY KEY(name));
```

```
CREATE TABLE MealIngredients(mealName varchar2(10) not null,ingredientName  
varchar2(10) not null);
```

```
CREATE TABLE MealSteps(mealName varchar2(10) not null,stepNo number(10) not null,  
description varchar2(100),PRIMARY KEY(stepNo));
```

```
CREATE TABLE StepIngredients(mealName varchar2(10) not null,stepNo number(10) not  
null,ingredientName varchar2(10) not null,amount number(10));
```

**2)**

```
ALTER TABLE Meal DROP COLUMN username;
```

**3)**

```
ALTER TABLE Ingredient ADD caloriesPerServing number(10);
```

**4)**

```
INSERT INTO Meal (name,city,type) VALUES('Kurufasulye','İstanbul','ana yemek');  
1 row created.
```

**5)**

```
DELETE FROM Ingredient WHERE caloriesPerServing > 200;
```

**6)**

```
UPDATE Ingredient SET caloriesPerServing = caloriesPerServing + 10 WHERE  
caloriesPerServing < 100;
```

**7)**

```
SELECT DISTINCT city FROM Meal;
```

**8)**

```
SELECT name FROM Meal WHERE Meal.city='Samsun';
```

**9)**

```
SELECT name,caloriesPerServing FROM Ingredient ORDER BY caloriesPerServing DESC;
```

**10)**

```
SELECT name FROM Ingredient WHERE caloriesPerServing IS NULL;
```