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-- EXERCISE 5 SOLUTIONS  
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```

```
-- Display the first name and last name of all patients.
```

```
SELECT fname, lname  
FROM pttble;
```

```
-- There are seven patients in the table.
```

```
-- Display all of the columns in the table using the "all" operator.
```

```
SELECT *  
FROM pttble;
```

```
-- Display the first name with the alias "First Name" and last name  
with the alias "Last Name".
```

```
SELECT fname AS "First Name", lname AS "Last Name"  
FROM pttble;
```

```
-- Display the first and last name for all patients whose last name is  
"Smith".
```

```
SELECT fname, lname  
FROM pttble  
WHERE lname="Smith";
```

```
-- Display the first names, last names, genders, and ages of all males.
```

```
SELECT fname, lname, gender, age, ageyrs  
FROM pttble  
WHERE gender="male";
```

```
-- Repeat this query but now display all females.
```

```
SELECT fname, lname, gender, age, ageyrs  
FROM pttble  
WHERE gender="female";
```

```
-- Display a list of all cities for the patients and eliminate  
duplicates.
```

```
SELECT DISTINCT city  
FROM pttble;
```

```
-- Display first name, last name, city and state for all patients and  
order by city (in ascending -- order) and last name (in descending  
order).
```

```
SELECT fname, lname, city, state  
FROM pttble  
ORDER BY city ASC, lname DESC;
```

```
-- Repeat the answer for (7) but now use relative column positions  
instead of column names in the -- ORDER BY clause.
```

```
SELECT fname, lname, city, state  
FROM pttble  
ORDER BY 3 ASC, 2 DESC;
```

```
-- Display the first and last names of everyone that does NOT have the  
last name "Smith".
```

```
SELECT fname, lname  
FROM pttble  
WHERE lname<>"Smith";
```

```
-- Display the first and last names of patients who are white and US  
residents.
```

```
SELECT fname, lname
FROM pttble
WHERE racewhite="yes" AND residency="US Residency";

-- Display the first and last names and cities of all those who live in
Oakland or Berkeley.
SELECT fname, lname, city
FROM pttble
WHERE city="Oakland" OR city="Berkeley";

-- Repeat (11) but now use the IN clause.
SELECT fname, lname, city
FROM pttble
WHERE city IN ("Oakland","Berkeley");

-- Continue using MySQL and make up some of your own examples to
illustrate the material we
-- covered in lecture.
```