

W07 – Bike Shop Queries

CASE STUDY – An owner of a bike shop needs to get information from the database. You will come up with queries to help get the information that is needed. Here's what he/she might ask you to do:

1. I need a list of all the customers with Gmail email accounts because there is a new Google application that can interface with them through their email that we'd like to contact them and invite them to use it.
2. Haro called and wants to discount all their bikes by 20%. Please get me the name of the bikes from Haro (brand_id 2) and show the original price and then a column with the sales price with a readable column header.
3. We need to see the order number and order date from all orders at Santa Cruz Bikes (store_id 1) but I don't need to see the orders made by Mireya Copeland who's staff_id is 2. Just Fabiola, Genna and Virgie's orders (everyone else who works there).
4. I need all the order numbers and order dates for the month of February 2017.
5. We need to clear out all our frame specific bikes and Women's bikes. They are not selling well and we will be displaying them in our annual sidewalk sale. Find all the bike product name with 'Frame' or 'Frameset' in the name or the word "Women's"
6. We need all the bikes product names that start with A-H and whose list price is more than 299.99 or exactly 299.99. Sort them by product name. We will need to inventory those bikes first during inventory.

Finish each query before looking at the following possible answers on the next page.

-- Here are some possible answers:

-- 1.

```
SELECT first_name, last_name, email
FROM customer
WHERE email LIKE '%gmail%';
```

-- OR

```
SELECT first_name, last_name, email
FROM customer
WHERE email REGEXP 'gmail';
```

-- 2.

```
SELECT product_name, list_price, list_price -(list_price *.20) AS sale_price
FROM product
WHERE brand_id = 2;
```

-- 3.

```
SELECT cust_order_id, order_date
FROM cust_order
WHERE store_id = 1 AND NOT staff_id = 2; -- 184 rows returned
```

-- 4.

```
SELECT cust_order_id, order_date
FROM cust_order
WHERE order_date BETWEEN '2017-02-01' AND '2017-02-28';
```

-- 5.

```
SELECT product_name
FROM product
WHERE product_name LIKE '%Frame%' OR product_name LIKE '%Women%';
-- 52 rows returned if they put AND there is only one
```

-- OR

```
SELECT product_name
FROM product
WHERE product_name REGEXP 'Frame' OR product_name REGEXP 'Women';
```

-- 6.

```
SELECT product_name, list_price
FROM product
WHERE product_name < 'I' AND list_price >= 299.99
ORDER BY product_name;
```