WEEK 1 CHALLENGE SOLUTIONS

Below are suggested answers. Note, in some cases, there's more than one way of getting the correct answer so check to see if your codes will produce the same results as the codes below.

1. Provide a list of films (their titles, film IDs and ratings) that are NOT rated NC-17.
   Hint: Refer to film table.

SELECT film_id, title, rating
FROM film
WHERE rating != 'NC-17';

2. Get the addresses and postal codes of customers who live in Michigan district.
   Hint: Refer to address table.

SELECT addresss, postal_code
FROM address
WHERE district = 'Michigan';

3. Your manager asks for the list of payment transactions between 2007-02-18 00:00:00 and 2007-02-20 00:00:00. Retrieve the payment ID, customer ID, amount and payment dates.
   Hint: Refer to payment table. Note that the payment date is a string attribute.

SELECT payment_id, customer_id, amount, payment_date
FROM payment
WHERE payment_date BETWEEN '2007-02-18' AND '2007-02-20';

Note: '2007-02-18' is the same as '2007-02-18 00:00:00'

4. Retrieve **all** available information for customers whose last names
   are either Williams, Taylor or Andrews.
   Hint: Refer to customer table.

SELECT *
FROM customer
WHERE last_name = 'Williams' OR last_name = 'Taylor' OR last_name =
'Andrews';

Alternatively, you can write:

SELECT *
FROM customer
WHERE last_name IN ('Williams' , 'Taylor' , 'Andrews');

5. The manager asks for the rental ID and customer ID of transactions
   that have **rental date** starting May 26, 2005 and **return date** before
   May 29, 2005.
   *Hint: Refer to rental table. Dates are string attributes (match the
   format in the table).*

SELECT rental_id, customer_id
FROM rental
WHERE rental_date>='2005-05-26' AND return_date < '2005-05-29';