# FDT Worksheet Week 2
## Joins

Database: dvdrental

1. **Show details of rentals with completed payments**

**SELECT * FROM**
rental **INNER JOIN** payment
**ON** rental.rental_id = payment.rental_id

2. **For each rental, show the name of the customer and the name of the staff member who processed the rental.**

**SELECT**
customer.first_name || ' ' || customer.last_name **as** customer_name, staff.first_name || ' ' || staff.last_name **AS** staff_name
**FROM**
customer **INNER JOIN** rental
**ON** customer.customer_id = rental.customer_id
**INNER JOIN** staff **ON** rental.staff_id = staff.staff_id

3. **For each rental, show the name of the customer and the name of the staff members who processed the payments for that rental.**

**SELECT**
customer.first_name || ' ' || customer.last_name **as** customer_name, staff.first_name || ' ' || staff.last_name **AS** staff_name
**FROM**
customer **INNER JOIN** rental
**ON** customer.customer_id = rental.customer_id
**INNER JOIN** payment
**ON** rental.rental_id = payment.rental_id
**INNER JOIN** staff **ON** payment.staff_id = staff.staff_id

4. **Show details of all rentals, even if they have not been paid for, with payment information where it exists**

**SELECT * FROM**
rental **LEFT JOIN** payment
**ON** rental.rental_id = payment.rental_id

5. **Show details of rentals which have not been paid for**

**SELECT * FROM**
rental **LEFT JOIN** payment
**ON** rental.rental_id = payment.rental_id
**WHERE** payment.payment_id **IS NULL**

6. **Find all the films which are not in the inventory for any store.**

**SELECT * FROM** film
**LEFT OUTER JOIN** inventory
**ON** inventory.film_id = film.film_id
**WHERE** inventory.film_id **IS NULL**

7. **Find all the rentals rented by Barbara Jones.**

**SELECT * FROM** rental
**INNER JOIN** customer
**ON** rental.customer_id = customer.customer_id
**WHERE** customer.first_name='Barbara' **AND** customer.last_name='Jones'