

# Comparison Operators

<	Less than
>	Greater than
$\leq$	Less than or equal to
$\geq$	Greater than or equal to
$\neq$ or $\diamond$	Not equal
BETWEEN x AND y	$a \geq x$ and $a \leq y$
NOT BETWEEN x AND y	$a < x$ or $a > y$
IS NULL	Is NULL
IS NOT NULL	Not NULL

Transform certain values into discrete categories

```
SELECT
  film_id, title,
  CASE
    WHEN replacement_cost < 15 THEN 'low'
    WHEN replacement_cost < 25 THEN 'mid'
    ELSE 'high'
  END
FROM film;
```

Light pattern matching on strings

```
/* Customers whose last name begins with 'A' */  
SELECT first_name, last_name FROM customer  
      WHERE last_name LIKE 'A%';
```

```
/* Films whose title ends in 'al' */  
SELECT film_id, title FROM film  
      WHERE title LIKE '%al';
```

```
/* Films whose title contains 'war' */  
SELECT film_id, title FROM film  
      WHERE title LIKE '%war%';
```

IN checks that a value belongs to a set

```
SELECT customer_id, rental_id, return_date
FROM rental
WHERE customer_id IN (1, 2, 3, 4, 5)
ORDER BY return_date DESC;
```

The values for the set can come from another SELECT

```
/* Addresses from cities whose name starts with 'A' */
SELECT address_id, district, city_id
FROM address
WHERE city_id IN (SELECT city_id FROM city
                  WHERE city LIKE 'A%');
```