```sql
-----------------------------------------------------
--UNION Operator
-----------------------------------------------------

SELECT fruit_a FROM basket_a
UNION
SELECT fruit_b FROM basket_b

select first_name, last_name, job_id, salary
from employees
where salary between 8000 and 12000
UNION
select first_name, last_name, job_id, salary
from employees
where job_id in (2,7,10,14,15,19)
order by 1,2;


-----------------------------------------------------
--UNION ALL Operator
-----------------------------------------------------

select first_name, last_name, job_id, salary
from employees
where salary between 8000 and 12000
UNION ALL
select first_name, last_name, job_id, salary
from employees
where job_id in (2,7,10,14,15,19)
order by 1,2;

SELECT title, length, rating
FROM film
WHERE length < 50
UNION ALL
SELECT title, length, rating
FROM film
WHERE rating = 'PG'
UNION ALL
SELECT title, length, rating
FROM film
WHERE rating = 'R'
ORDER BY title;


-----------------------------------------------------
--INTERSECT Operator
-----------------------------------------------------

select first_name, last_name, job_id, salary
from employees
where salary between 8000 and 12000
INTERSECT
select first_name, last_name, job_id, salary
from employees
where job_id in (2,7,10,14,15,19)
order by 1,2;
```

```sql
select title, description, length, rating
from film
where rating = 'G'
intersect
select title, description, length, rating
from film
where length > 170
```

--EXCEPT Operator

```sql
SELECT fruit_a FROM basket_a
EXCEPT
SELECT fruit_b FROM basket_b

select first_name, last_name, job_id, salary
from employees
where salary between 8000 and 12000
EXCEPT
select first_name, last_name, job_id, salary
from employees
where job_id in (2,7,10,14,15,19)
order by 1,2;
```

--Combining Different Operators

```sql
(
    select title, description, length, rating
    from film
    where length > 170
    UNION
    select title, description, length, rating
    from film
    where rating = 'G'
)
EXCEPT
select title, description, length, rating
from film
where rating = 'G'
  and rental_duration < 5
```

```
-----------------------------------------------------
--EXERCISE ANSWERS
-----------------------------------------------------


-----------------------------------------------------
--UNION Operator
-----------------------------------------------------

select title, length, rating
from film
where rating = 'PG'
UNION
select title, length, rating
from film f
where f.special_features::varchar like '%Trailers%'


-----------------------------------------------------
--UNION ALL Operator
-----------------------------------------------------

select
  'Country' as place_type,
  country_id as place_id,
  country  as place_name
from country
union all
select
  'City' as place_type,
  city_id as place_id,
  city as place_name
from city
union all
select
  'Address' as place_type,
  address_id as place_id,
  address  as place_name
from address


-----------------------------------------------------
--EXCEPT Operator
-----------------------------------------------------

select film_id, title
from film
except
select distinct f.film_id, title
from inventory i
inner join film f
     on f.film_id = i.film_id

select film_id, title
from film
where film_id not in
     (
            select distinct film_id
            from inventory i
     )
```

```sql
select film_id, title
from film f
where not exists
    (
        select 1
        from inventory i
        where f.film_id = i.film_id
    )
```