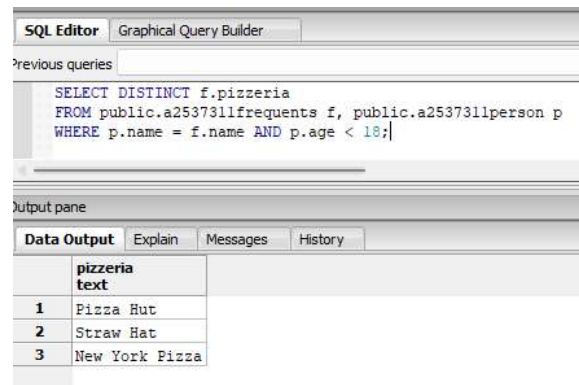


- A. Find all pizzerias frequented by at least one person under the age of 18.

$$\pi_{pizzaria}(\sigma_{idade < 18}(Pessoa) \bowtie Frequentada)$$



The screenshot shows an SQL Editor window with a query and its output. The query is:

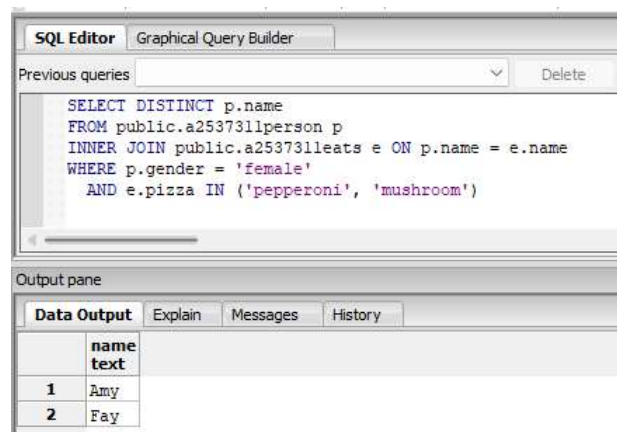
```
SELECT DISTINCT f.pizzeria
FROM public.a2537311frequents f, public.a2537311person p
WHERE p.name = f.name AND p.age < 18;
```

The output pane shows the following results:

	pizzeria text
1	Pizza Hut
2	Straw Hat
3	New York Pizza

- B. Find the names of all females who eat either mushroom or pepperoni pizza (or both).

$$R \leftarrow \pi_{nome}(\sigma_{g\acute{e}nero = feminino \wedge (pizza = pepperoni \vee pizza = mushroom)}(Pessoa \bowtie_{nome} Come))$$



The screenshot shows an SQL Editor window with a query and its output. The query is:

```
SELECT DISTINCT p.name
FROM public.a2537311person p
INNER JOIN public.a2537311eats e ON p.name = e.name
WHERE p.gender = 'female'
AND e.pizza IN ('pepperoni', 'mushroom');
```

The output pane shows the following results:

	name text
1	Amy
2	Fay

- C. Find the names of all females who eat both mushroom and pepperoni pizza.

$$\pi_{nome} \left(\sigma_{(gênero=feminino \wedge pizza=mushroom)} (Pessoa \bowtie_{nome} Come) \right) \cap$$

$$\pi_{nome} \left(\sigma_{(gênero=femini \wedge pizza=pepperoni)} (Pessoa \bowtie_{nome} Come) \right)$$

Previous queries

```
SELECT DISTINCT p.name
FROM a2537311Person p
JOIN a2537311Eats e ON p.name = e.name
WHERE p.gender = 'female'
AND e.pizza IN ('mushroom', 'pepperoni')
GROUP BY p.name
HAVING COUNT(DISTINCT e.pizza) >= 2;
```

Output pane

	name text
1	Amy

- D. Find all pizzerias that serve at least one pizza that Amy eats for less than \$10.00.

$$\pi_{pizzaria} (\sigma_{nome=Amy \wedge preço \leq 10} (Come \bowtie_{pizza} Serve))$$

SQL Editor

Graphical Query Builder

Previous queries

```
SELECT DISTINCT s.pizzeria
FROM a2537311serves s
JOIN a2537311eats e ON s.pizza = e.pizza
WHERE e.name = 'Amy'
AND s.price <= 10
```

Output pane

	pizzeria text
1	Little Caesars
2	Little Caesars
3	Straw Hat
4	New York Pizza