

## Laboratory work 2

The pizzeria scheme consists of four relations Person, Frequents, Eats, and Serves.

Person(name, age, gender)

Frequents(name, pizzeria )

Eats (name, pizza)

Serves (pizzeria, pizza, price)

- **Person** contains information about persons: name, age, and gender
  - **Eats** contains information about what type of pizza each person (customer) eats (likes)
  - **Frequents** record information about pizzerias that each customer frequents (visits)
  - **Serves** contains information about all possible pizza types for each pizzeria
- a) Download 'pizza.sql' from the course website on the Moodle platform and extract it on your local PC.
- b) Give the SQL queries that:
- 1- List the names of persons that eat 'pepperoni'.
  - 2- List of all pizzerias that serve 'pepperoni' (provide the price).
  - 3- Provide the older person.
  - 4- Provide the price of the cheapest pizza.
  - 5- Provide the cheapest served pizzas.
  - 6- Provide the sum of the price of the pizzas served by 'Dominos'.
  - 7- Provide the greater number can be served by certain pizzeria.
  - 8- Provide the pizzerias which serve the greater number of pizzas.
  - 9- List of all pizzerias which serve at least one of pizzas which particular person can eat.
  - 10- List of all pizzerias which are frequented but do not serve any pizza the people can it.
  - 11- Find the names of all females who eat either mushroom or pepperoni pizza (or both).
  - 12- Find the names of all females who eat both mushroom and pepperoni pizza.
  - 13- Find all pizzerias that serve at least one pizza that Amy eats for less than \$10.00
  - 14- Find all pizzerias frequented by at least one person under the age of 18.
  - 15- Find all pizza types which are not eaten by anyone
  - 16- Find all pizzerias that are frequented by only females or only males.
  - 17- Find all pizzerias where Dan could buy pizzas that he eats, and where he has never bought a pizza yet.

- 18- For each person, find all pizzas the person eats that are not served by any pizzeria the person frequents. Return all such person (name, pizza) pairs.
- 19- Find the names of all people who frequent only pizzerias serving at least one pizza they eat.