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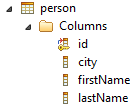
**Java Developer Test**

We use this test to quickly verify your programming experience.

You have 20 minutes to complete the test and answer the questions.

Not answering is graded more than a wrong answer; you can answer either in English or in Italian language.

## 1. Given the table ‘person’ shown below, write the query to select all cities with more than one person



## 2. Write a method in Java that tells if its argument is a power of 2 (excluding 20)

## 3. Write a program that prints the numbers from 1 to 100. For multiples of three print "Fizz" instead of the number and for the multiples of five print "Buzz". For numbers that are multiples of both three and five print "FizzBuzz".

## 4. Below you find some code. Please suggest the modification and improvement you would insert into the code. You can annotate the code inline and/or add some comments in the underlying available space

**public** **class** Margherita {

**private** **final** **double** weightInGrams = 700.;

**private** **final** **double** price = 4.;

**public** **double** getWeightInGrams() {

**return** weightInGrams;

}

**public** **double** getPrice() {

**return** price;

}

}

---------------------------------------------------------------

**public** **class** Prosciutto {

**private** **final** **double** weightInGrams = 800.;

**private** **final** **double** price = 5.;

**public** **double** getWeightInGrams() {

**return** weightInGrams;

}

**public** **double** getPrice() {

**return** price;

}

}

---------------------------------------------------------------

**public** **class** PizzaManagerService {

ArrayList pizzas = **new** ArrayList();

**public** **void** addPizza(Margherita pizza) {

pizzas.add(pizza);

}

**public** **void** addPizza(Prosciutto pizza) {

pizzas.add(pizza);

}

}

## 5. Propose an implementation for a getListOfPizzaSortedByPrice method to add to PizzaManagerService