

Unit 1. Task 2. MongoDB: Database Creation and Querys

Exercise 1: Let be the following collections (tables):

TRABAJADOR (ID_T, NOMBRE, TARIFA, OFICIO)

Each document (row) is a worker, identified by ID_T, NOMBRE is the name; TARIFA is the euros salary per hour. OFICIO is the profession.

EDIFICIO (ID_E, DIR, TIPO, NIVEL_CALIDAD, CATEGORIA)

Each document (row) is a building, identified by ID_E, DIR is the address; TIPO is the type of building. NIVEL_CALIDAD is its quality; CATEGORIA is its category.

Create the corresponding collections and insert the following data:

TRABAJADOR

ID_T	NOMBRE	TARIFA	OFICIO
1235	M. FARADAY	12.5	ELECTRICISTA
1311	C. COULOMB	15.5	ELECTRICISTA
1412	C. NEMO	13.75	FONTANERO
1520	H. RICKOVER	11.75	FONTANERO
2920	R. GARRET	10.0	ALBAÑIL
3001	J. BARRISTER	8.2	CARPINTERO
3231	P. MASON	17.4	CARPINTERO

EDIFICIO

ID_E	DIR	TIPO	NIVEL_CALIDAD	CATEGORIA
111	1213 ASPEN	OFICINA	4	1
210	1011 BIRCH	OFICINA	3	1
312	123 ELM	OFICINA	2	2
435	456 MAPLE	COMERCIO	1	1
460	1415 BEACH	ALMACEN	3	3
515	789 OAK	RESIDENCIA	3	2

Write a document with the sentences used for creating and inserting data in the database and explain them. The database must be called “companydatabase”.

Exercise 2: Write the queries according the following sentences, take an image of the results, and paste them in the document:

- 1.- Show the name of the workers.
- 2.- Show the name of the workers where TARIFA is between 10 and 12.
- 3.- Show the address of the buildings ordered by NIVEL_CALIDAD.
- 4.- Show the buildings with level 1 of CATEGORIA.
- 5.- Show the name of the workers ordered by salary from maximum to minimum.

Other requirements:

- English writing will be evaluated in a positive way.
- For using MongoDB you can use the resources given in class.
- Deadline: 23rd of October until 23:55h.
- Format filename (PDF): Task2_Unit1_nameSurname.pdf