



Exercise set 7 - NoSQL

- In this exercise you will create a MongoDB document collections including data similar to Ocelot training database used in SQL exercises
- After the creation of document collections data will be inserted
- Finally couple of queries will be formed for data retrieval

DEPT	EMPS
Dept varchar(4) * 	Empnum decimal(3,0) * 
Manager varchar(12)	Dept varchar(4)
Duty varchar(12)	Surname varchar(12)
Budget decimal(10,2)	Gname varchar(9)
	Address varchar(18)
	City varchar(10)
	Prov char(2)
	Pc varchar(6)
	Phone char(8)
	Rate decimal(6,2)
	Taxcode decimal(6,2)
	Deduction decimal(6,2)

1. Firstly, create two document collections for the data. Use SQL table structure presented above as a reference.
2. Add at least five rows of data to both document collections.
3. Create the following queries:
 - a. Select all departments.

- b. Select employees whose rate value is greater than 9. Order results by rate value so that smallest value is presented first.
- c. Select employees whose rate value is between 8-12. Order results by rate value so that greatest value is presented first.
- d. Select employees whose department is not A, B or C.
- e. Update rate value for all employees working in department B.
- f. Change the manager for department C so that the new manager will be David Smith.
- g. Remove employees whose department is C.