KDU Assignment

1. Install any open-source Relational database like MySQL (or) Postgres
2. Create a database named “employee”

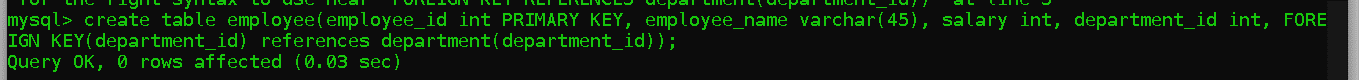
SQL Query: create databse employee



1. Create the following tables inside the “employee” database
   1. department (department\_id, department\_name)
      * department\_id is the primary key

Ans. create table department(department\_id int NOT NULL , department\_name varchar(45) NOT NULL , primary key(department\_id));  

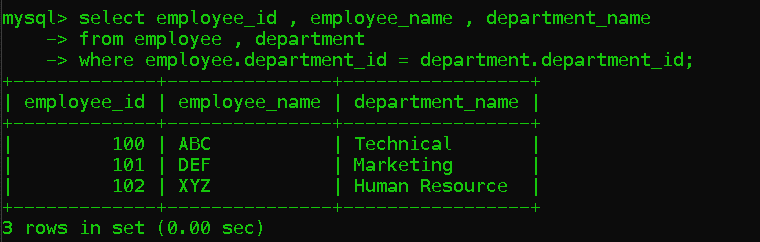

* 1. employee (employee\_id, employee\_name, salary,department\_id)
     + employee\_id is the primary key
     + department\_id is the foreign key that refers to department\_id in the department table

Ans. create table employee(employee\_id int PRIMARY KEY, employee\_name varchar(45), salary int, department\_id int, FOREIGN KEY(department\_id) references department(department\_id));  


1. Write Queries for the following
   1. Print employee\_id, employee\_name and department\_name

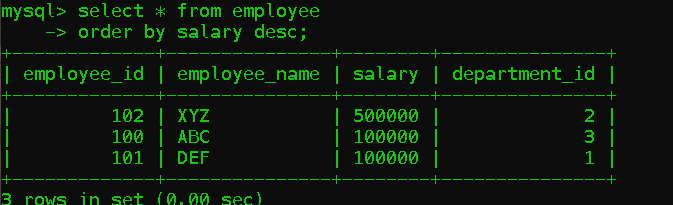
Ans. select employee\_id , employee\_name , department\_name

-> from employee , department

-> where employee.department\_id = department.department\_id;  
  


* 1. Write a Query that prints all the employees and their salaries in descending order of their salary

Ans. select \* from employee

-> order by salary desc;  


* 1. Write a Query that prints the average salary of employees in each department with the department name

Ans. select department\_name , AVG(salary)

-> from department

-> JOIN employee using(department\_id)

-> GROUP BY department\_name;

