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**UNIVERSITETI POLITEKNIK I TIRANËS**

**FAKULTETI I TEKNOLOGJISË DHE INFORMACIONIT**

**DEPARTAMENTI I INXHINIERISË INFORMATIKE**

**Punë Laboratori nr. 4**

**Lënda:** Bazat e tё dhёnave

**Grupi:** III-B

**Punoi:** Piro Gjikdhima **Pranoi**: MSc.Paola Shasivari

1.Krijoni nje sekuence per rritjen e id ne tabelen Employees.

* Nuk duhet te lejoje riperseritje vlerash
* Vlera duhet gjeneruar vetem kur te kerkohet nga ne, jo para.

CREATE SEQUENCE sk\_rritje  
 NOCYCLE  
 NOCACHE;

2.Ndertoni nje view qe shfaq emrin dhe id e departamenteve.

CREATE OR REPLACE VIEW vw\_em\_id\_dep AS  
SELECT DEPARTMENT\_ID, DEPARTMENT\_NAME  
FROM DEPARTMENTS;

3. Ndertoni nje view qe afishon id,emrin,rrogen,id e departamentit dhe qytetin e punonjesve qe kane rrogen qe eshte sa minI rrogave te punonjesve qe kane fillur pune nga data January 1st, 2002 deri ne December 31st, 2003.

CREATE OR REPLACE VIEW vw\_usht\_2 AS  
SELECT EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME, DEPARTMENT\_ID, CITY  
FROM EMPLOYEES  
 JOIN DEPARTMENTS USING (DEPARTMENT\_ID)  
 JOIN LOCATIONS USING (LOCATION\_ID)  
WHERE SALARY = (SELECT *MIN*(SALARY)  
 FROM EMPLOYEES  
 WHERE HIRE\_DATE BETWEEN *TO\_DATE*('2002-01-01', 'YYYY-MM-DD') AND *TO\_DATE*('2003-12-31', 'YYYY-MM-DD'));

4. Shto nje punonjes te ri ne tabelen Employees

INSERT INTO EMPLOYEES(EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME, EMAIL, PHONE\_NUMBER, HIRE\_DATE, JOB\_ID, SALARY,  
 COMMISSION\_PCT, MANAGER\_ID, DEPARTMENT\_ID)  
VALUES (sk\_rritje.NEXTVAL, 'John', 'Doe', 'john.doe@example.com', '123-456-7890', *TO\_DATE*('2023-01-01', 'YYYY-MM-DD'),  
 'IT\_PROG', 60000, NULL, 101, 10);

5. Afishoni id,emrin,mbiemri,rrogen,id e departamentit dh qytetin e punonjesve qe kane rrogen qe eshte sa max I rrogave te punonjesve qe kane fillur pune nga data January 1st, 2002 deri ne December 31st, 2003.

SELECT   
 EMPLOYEE\_ID,  
 FIRST\_NAME,  
 LAST\_NAME,  
 SALARY,  
 DEPARTMENT\_ID,  
 CITY  
FROM EMPLOYEES  
JOIN DEPARTMENTS USING (DEPARTMENT\_ID)  
JOIN LOCATIONS USING (LOCATION\_ID)  
WHERE SALARY = (SELECT *MAX*(SALARY) FROM EMPLOYEES WHERE HIRE\_DATE BETWEEN '01-JAN-02' AND '31-DEC-03');

6. Krijoni nje indeks ne tabelen Employees duke ditur qe na kerkohet shpesh info mbi perqindje e komisionit per nje punonjes

CREATE INDEX idx\_commission\_pct ON EMPLOYEES (COMMISSION\_PCT);