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**UNIVERSITETI POLITEKNIK I TIRANËS**

**FAKULTETI I TEKNOLOGJISË DHE INFORMACIONIT**

**DEPARTAMENTI I INXHINIERISË INFORMATIKE**

**Punë Laboratori nr. 2**

**Lënda:** Bazat e tё dhёnave

**Grupi:** III-B

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

1. Afishoni te dhenat per punonjesit qe filluan punen ne vitin 2012.

SELECT *\** FROM EMPLOYEES  
 WHERE HIRE\_DATE BETWEEN *TO\_DATE*('2012-01-01', 'YYYY-MM-DD') AND

*TO\_DATE*('2012-12-31', 'YYYY-MM-DD');

2. Afishoni emrin,mbiemrin,numrin dhe emrin e deparamentit per secilin punonjes.

SELECT  
 E.FIRST\_NAME,  
 E.LAST\_NAME,  
 E.PHONE\_NUMBER,  
 D.DEPARTMENT\_NAME  
 FROM EMPLOYEES E  
 LEFT JOIN DEPARTMENTS D  
 ON E.DEPARTMENT\_ID = D.DEPARTMENT\_ID;

3. Afishoni emrin,mbiemrin, deparamentin,qytetin dhe shetin per secilin punonjes.

SELECT  
 E.FIRST\_NAME,  
 E.LAST\_NAME,  
 D.DEPARTMENT\_NAME,  
 L.CITY  
 FROM EMPLOYEES E  
 JOIN DEPARTMENTS D ON E.DEPARTMENT\_ID = D.DEPARTMENT\_ID  
 JOIN LOCATIONS L ON D.LOCATION\_ID = L.LOCATION\_ID;

JOIN COUNTRIES C ON L.COUNTRY\_ID = C.COUNTRY\_ID;

4. Afishoni emrin,mbiemrin,emrin dhe id e departementit per te gjithe departamentet edhe per ato qe nuk kane punonjes.

SELECT  
 E.FIRST\_NAME,  
 E.LAST\_NAME,  
 D.DEPARTMENT\_NAME,  
 D.DEPARTMENT\_ID  
 FROM EMPLOYEES E  
 RIGHT JOIN DEPARTMENTS D ON E.DEPARTMENT\_ID = D.DEPARTMENT\_ID;

5. Afishoni emrin e punonjesit dhe menaxherit edhe per punonjesit qe nuk kane menaxher.

SELECT  
 E.FIRST\_NAME AS EMPLOYEE\_FIRST\_NAME,  
 E.LAST\_NAME AS EMPLOYEE\_LAST\_NAME,  
 M.FIRST\_NAME AS MANAGER\_FIRST\_NAME,  
 M.LAST\_NAME AS MANAGER\_LAST\_NAME  
 FROM EMPLOYEES E  
 LEFT JOIN EMPLOYEES M ON E.MANAGER\_ID = M.EMPLOYEE\_ID;

6. Afishoni emrin e departamentit,rrogen mesatare dhe numrin e punonjesve per ata punonjes qe marrin komision ne ate department.

SELECT  
 D.DEPARTMENT\_NAME,  
 *ROUND*(*AVG*(E.SALARY),2) AS AVERAGE\_SALARY,  
 *COUNT*(E.EMPLOYEE\_ID) AS EMPLOYEE\_COUNT

*COUNT*(E.COMMISSION\_PCT) AS COMMISSION\_COUNT\_OF\_EMPLOYEES  
 FROM EMPLOYEES E  
 JOIN DEPARTMENTS D ON E.DEPARTMENT\_ID = D.DEPARTMENT\_ID  
 GROUP BY D.DEPARTMENT\_NAME;

HAVING *COUNT*(E.COMMISSION\_PCT) >= 0;

7. Afishoni departamntin,emrin e menaxherit dhe rrogen e menaxherve qe kane experience me shume se 5 vjet.

SELECT DISTINCT  
 D.DEPARTMENT\_NAME,  
 M.FIRST\_NAME AS MANAGER\_NAME,  
 M.SALARY  
 FROM EMPLOYEES E  
 JOIN EMPLOYEES M ON E.MANAGER\_ID = M.EMPLOYEE\_ID  
 JOIN DEPARTMENTS D ON M.DEPARTMENT\_ID = D.DEPARTMENT\_ID  
 WHERE *MONTHS\_BETWEEN*(*SYSDATE*, M.HIRE\_DATE) > 60;  
  
8. Afishoni shtetin ,qytetin dhe numrin e departamenteve qe kane te pakten 2 punonjes.

SELECT  
 C.COUNTRY\_NAME,  
 L.CITY,  
 *COUNT*(DISTINCT E.DEPARTMENT\_ID) AS NUMBER\_OF\_DEPARTMENTS  
 FROM DEPARTMENTS D  
 JOIN LOCATIONS L ON D.LOCATION\_ID = L.LOCATION\_ID  
 JOIN COUNTRIES C ON L.COUNTRY\_ID = C.COUNTRY\_ID  
 JOIN  
 (  
  
 SELECT DEPARTMENT\_ID  
 FROM EMPLOYEES  
 GROUP BY DEPARTMENT\_ID  
 HAVING *COUNT*(*\**) >= 2  
  
 ) E ON D.DEPARTMENT\_ID = E.DEPARTMENT\_ID  
 GROUP BY C.COUNTRY\_NAME, L.CITY  
 ORDER BY NUMBER\_OF\_DEPARTMENTS;

9. Afishoni emrin e plote,punen,daten e fillimit dhe te mbarimit te punes se fundit per punonjesit qe kane punuar pa perqindje komisioni.

SELECT  
 E.FIRST\_NAME,  
 E.LAST\_NAME,  
 J.JOB\_TITLE,  
 JH.START\_DATE,  
 JH.END\_DATE  
 FROM EMPLOYEES E  
 JOIN JOBS J ON E.JOB\_ID = J.JOB\_ID  
 JOIN JOB\_HISTORY JH ON E.EMPLOYEE\_ID = JH.EMPLOYEE\_ID  
 WHERE E.COMMISSION\_PCT IS NULL AND  
 JH.END\_DATE =  
 (  
 SELECT *MAX*(JH2.END\_DATE)  
 FROM JOB\_HISTORY JH2  
 WHERE JH2.EMPLOYEE\_ID = E.**EMPLOYEE\_ID** );  
  
10. Afishoni emrin e punonjesve per ate punonjes qe ka me shume vite se menaxheri I tij.

SELECT  
 E.FIRST\_NAME,  
 E.LAST\_NAME  
 FROM EMPLOYEES E  
 JOIN EMPLOYEES M ON E.MANAGER\_ID = M.EMPLOYEE\_ID  
 WHERE *MONTHS\_BETWEEN*(*SYSDATE*, E.HIRE\_DATE) > *MONTHS\_BETWEEN*(*SYSDATE*, M.HIRE\_DATE );