AUTOESTUDIO-2

Investigación y practica

# Modelos y Bases de Datos- Grupo 1

Brayan Burgos, Sebastián Nieto

Escuela Colombiana de Ingeniería Julio Garavito

brayan.burgos@mail.escuelaing.edu.co; juan.nieto-mo@mail.escuelaing.edu.co

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_✦\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Tutorials: Learn SQL in stages**

**JOIN:**

* **SELECT** matchid**,** player

**FROM** goal

**WHERE** teamid**=**'GER'

* **SELECT** id,stadium,team1,team2

**FROM** game

**WHERE** id**=**1012

* **SELECT** player,teamid,stadium,mdate

**FROM** game **JOIN** goal **ON** (id=matchid)

**WHERE** teamid='GER'

* **SELECT** team1, team2,player

**FROM** game **JOIN** goal **ON** (id=matchid)

**WHERE** player **LIKE** 'Mario%'

* **SELECT** player, teamid,coach, gtime

**FROM** goal **JOIN** eteam **ON** (teamid=id)

**WHERE** gtime<=10

* **SELECT** mdate, teamname

**FROM** game **JOIN** eteam **ON** (team1=eteam.id)

**WHERE** coach **LIKE** 'Fernando Santos'

* **SELECT** player

**FROM** goal **JOIN** game **ON** (id=matchid)

**WHERE** Stadium **LIKE** 'National Stadium, Warsaw'

* **SELECT** **DISTINCT** player

**FROM** game JOIN goal **ON** id= matchid

**WHERE** teamid!= 'GER' **AND** (team1= 'GER' **OR** team2= 'GER')

* **SELECT** teamname, **count**(teamid)

**FROM** eteam **JOIN** goal **ON** id=teamid

**GROUP** **BY** teamname

* **SELECT** stadium, **COUNT** (matchid)

**FROM** game **JOIN** goal **ON** id=matchid

**GROUP** **BY** stadium

* **SELECT** matchid,mdate,**COUNT**(teamid)

**FROM** game **JOIN** goal **ON** matchid = id

**WHERE** (team1 = 'POL' **OR** team2 = 'POL')

**GROUP** **BY** matchid, mdate

* **SELECT** matchid,mdate,COUNT(teamid)

**FROM** game **JOIN** goal **ON** matchid = id

**WHERE** teamid='GER'

**GROUP** **BY** matchid, mdate

**USING NULL**

* **SELECT** name

**FROM** teacher

**WHERE** dept **IS NULL**

* **SELECT** teacher.name, dept.name

**FROM** teacher **INNER** **JOIN** dept **ON** (teacher.dept=dept.id)

* **SELECT** teacher.name, dept.name

**FROM** teacher left **JOIN** dept **ON** teacher.dept=dept.id

* **SELECT** teacher.name, dept.name

**FROM** teacher **RIGHT** **JOIN** dept **ON** teacher.dept=dept.id

* **SELECT** name, **COALESCE** (mobile,'07986 444 2266')

**FROM** teacher

* **SELECT** teacher.name, **COALESCE** (dept.name, 'None')

**FROM** teacher **LEFT** JOIN dept **ON** teacher.dept=dept.id

* **SELECT** **SUM** (x), **SUM**(y)

**FROM** (**SELECT** **COUNT**(name) **AS** x, **COUNT**(mobile) **AS** y

**FROM** teacher ) **AS** u

* **SELECT** dept.name, **COUNT**(teacher.name) **AS** w

**FROM** teacher **RIGHT** **JOIN** dept **ON** teacher.dept=dept.id

**GROUP BY** dept.name

* 9,10

8+ NUMERIC EXAMPLES.

* **SELECT** A\_STRONGLY\_AGREE

**FROM** nss

**WHERE** question='Q01'

**AND** institution='Edinburgh Napier University'

**AND** subject='(8) Computer Science'

* **SELECT** institution, subject

**FROM** nss

**WHERE** question='Q15' **AND** score>=100

* **SELECT** institution,score

**FROM** nss

**WHERE** question='Q15'

**AND** subject='(8) Computer Science'

**AND** score<50

* **SELECT** subject,**SUM**(response)

**FROM** nss

**WHERE** question='Q22'

**AND** (subject='(8) Computer Science' **OR** subject='(H) Creative Arts and Design')

**GROUP** **BY** subject

* **SELECT** subject,**SUM**(response\*A\_STRONGLY\_AGREE/100)

**FROM** nss

**WHERE** ((subject='(8) Computer Science' **OR** subject= '(H) Creative Arts and Design')

**AND** question='Q22')

**GROUP** **BY** subject

* **SELECT** subject,ROUND(**SUM**(response\*A\_STRONGLY\_AGREE/100)/**SUM**(response)\*100)

**FROM** nss

**WHERE** ((subject='(8) Computer Science' **OR** subject= '(H) Creative Arts and Design')

**AND** question='Q22')

**GROUP** **BY** subject