SQL work sample

Sean Hastings

-- What is in the people table --

SELECT column\_name, data\_type

FROM information\_schema.columns

WHERE table\_name = 'people' ;

-- Look at the first 10 rows --

SELECT \*

FROM people

LIMIT 10 ;

-- How many countries were players born in --

SELECT COUNT(DISTINCT(birthcountry)) AS count\_of\_birthcountry

FROM people ;

-- countries with the most players --

SELECT COUNT(DISTINCT(playerid)) AS count\_of\_players, birthcountry

FROM people

GROUP BY birthcountry

ORDER BY count\_of\_players DESC ;

-- players born between 1900 and 1950, who bat left, and are still alive --

SELECT namefirst, namelast, birthyear

FROM people

WHERE birthyear BETWEEN 1900 AND 1950

AND bats = 'L'

AND deathyear IS NULL

ORDER BY birthyear ;

--player last name starts with R, weigh over 200 lbs and born in USA,MEXICO,

--or CANADA

SELECT \*

FROM people

WHERE namelast LIKE 'R%'

AND weight > 200

AND birthcountry IN ('USA', 'Mexico', 'Canada')

ORDER BY Weight ;

-- top ten countries with avg height, how many player

SELECT AVG(height) AS avg\_height, birthcountry, COUNT(DISTINCT(playerid))

FROM people

GROUP BY birthcountry

ORDER BY avg\_height DESC

LIMIT 10 ;

--countries with avg weight over 175

SELECT ROUND(AVG(weight), 2) AS avg\_weight, birthcountry, COUNT(DISTINCT(playerid)) AS count\_players

FROM people

GROUP BY birthcountry

HAVING AVG(weight) > 175

ORDER BY avg\_weight DESC ;

--players inducted after Hank Aaron

SELECT namefirst, namelast, yearid

FROM people

LEFT OUTER JOIN hof\_inducted ON people.playerid = hof\_inducted.playerid

WHERE yearid >

(SELECT yearid

FROM hof\_inducted

WHERE playerid = 'aaronha01' )

ORDER BY yearid ;