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SQL

Data used: Baseball-Data

Q1. Who are the players with more than average heart rate along with their height and weight?

Queries used:

- Calculating the avg of HR of baseball players
- SELECT name, height, weight FROM baseball(i.e., Bball) WHERE hr > 45.3595;
- SELECT avg(hr) FROM Bball;
- SELECT name, height, weight FROM Bball WHERE hr > (SELECT avg(hr) FROM Bball);

: name	height	weight
Jose Cardenal		150
Darrell Evans		200
Buck Martinez		190
John Wockenfuss		190
Tommy McCraw	72	183
Lee Lacy		175
Pete Rose		192
Jeff Newman		215
Jim Hickman		192
Fred Whitfield		190
Dave Kingman		210
Eric Soderholm		187
Ed Brinkman	72	170
Wayne Garrett		175
Bo Diaz		185

Q2. Players with Left handed and heart rate above 250?

Queries used:

• select name,handedness,hr FROM Bball WHERE handedness = 'L' AND hr > 250;

: name	height	weight
Jose Cardenal		150
Darrell Evans		
Buck Martinez		
John Wockenfuss		
Tommy McCraw	72	183
Lee Lacy		
Pete Rose		192
Jeff Newman		
Jim Hickman		192
Fred Whitfield		
Dave Kingman		210
Eric Soderholm		
Ed Brinkman	72	
Wayne Garrett		
Bo Diaz		185

Q3. Players with heart rate = 0 along with their name, height, weight and handedness?

Queries used:

• select name,handedness,height,weight,hr FROM Bball WHERE hr = 0;

i name	handedness	height	weight	HR
Tom Brown			170	0
Ozzie Osborn				
John LaRose				
Jeff Byrd				
Jerry Kutzler			175	
Jeff Barkley				
Eric Wilkins				
Britt Burns				
Nardi Contreras				
Jack Billingham				
Gil Patterson				
Jerry Garvin				
Steve Eddy				
Kevin Mmahat				
Jim Siwy				0

Data used: Chinook-Data

Q4. Customer's(First name & Last name) Track-Id from the company 'Microsoft'?

Queries used:

- CREATE TABLE Detect As select customers.FirstName,customers.Company,customers.LastName,invoices.Invoiceld from customers INNER JOIN invoices ON customers.CustomerId = invoices.CustomerId;
- SELECT Detect.FirstName,Detect.LastName,Detect.Company,invoice_items.TrackId FROM Detect INNER JOIN invoice_items ON Detect.InvoiceId = invoice_items.InvoiceId WHERE company LIKE 'Micro%';

FirstName	LastName	Company	TrackId
Jack		Microsoft Corporation	463
Jack		Microsoft Corporation	464
Jack		Microsoft Corporation	1166
Jack		Microsoft Corporation	1168
Jack		Microsoft Corporation	1170
Jack		Microsoft Corporation	1172
Jack		Microsoft Corporation	1872
Jack		Microsoft Corporation	1876
Jack		Microsoft Corporation	
Jack		Microsoft Corporation	
Jack		Microsoft Corporation	
Jack		Microsoft Corporation	1892
Jack		Microsoft Corporation	
Jack		Microsoft Corporation	652
Jack		Microsoft Corporation	654

Q5. Song, Composer and Media with its Price?

Queries used:

 select media_types.Name as Media_Name,tracks.Name as Song_Name,tracks.Composer,tracks.UnitPrice FROM media_types INNER JOIN tracks on media_types.MediaTypeId = tracks.MediaTypeId;

• Media_Name	Song_Name	Composer	UnitPrice
MPEG audio file	For Those About To Rock (We Sa	Angus Young, Malcolm Young, Br	0.99
MPEG audio file	Put The Finger On You	Angus Young, Malcolm Young, Br	0.99
MPEG audio file	Let's Get It Up	Angus Young, Malcolm Young, Br	0.99
MPEG audio file	Inject The Venom	Angus Young, Malcolm Young, Br	0.99
MPEG audio file	Snowballed	Angus Young, Malcolm Young, Br	0.99
MPEG audio file	Evil Walks	Angus Young, Malcolm Young, Br	0.99
MPEG audio file	C.O.D.	Angus Young, Malcolm Young, Br	0.99
MPEG audio file		Angus Young, Malcolm Young, Br	0.99
MPEG audio file	Night Of The Long Knives	Angus Young, Malcolm Young, Br	0.99
MPEG audio file		Angus Young, Malcolm Young, Br	0.99
MPEG audio file	Go Down	AC/DC	0.99
MPEG audio file	Dog Eat Dog	AC/DC	0.99
MPEG audio file	Let There Be Rock	AC/DC	0.99
MPEG audio file	Bad Boy Boogie	AC/DC	0.99
MPEG audio file	Problem Child	AC/DC	0.99

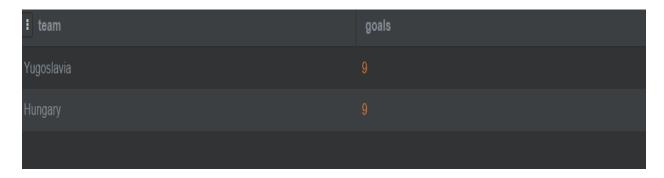
Data used: World-Cup-Data

Q6. Which of the among teams scored highest goals?

Queries used:

- SELECT max(goals) FROM World_Cup;
- SELECT team,goals FROM World_Cup WHERE goals = (SELECT max(goals) FROM World_Cup);

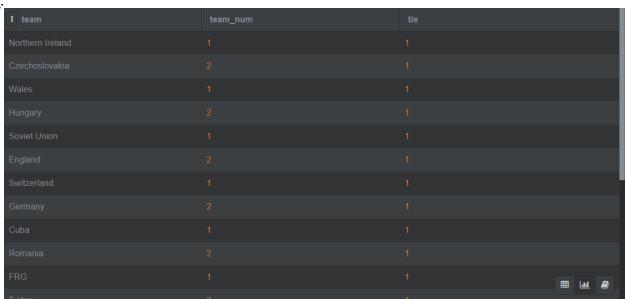
Output:



Q7. Which teams made the game tie?

Queries used:

SELECT team,team_num,tie FROM World_Cup WHERE tie = '1

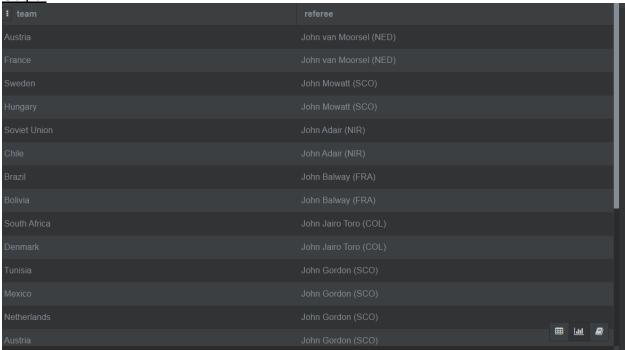


Q8. Which teams are in referee to name starting with John?

Queries used:

• SELECT team,referee FROM World_Cup WHERE referee LIKE 'John%';

Output:



Q9. In which year and games highest goal scored?

Queries used:

- SELECT max(goals) FROM World_Cup;
- SELECT year,game_id,goals FROM World_Cup WHERE goals = (SELECT max(goals) FROM World_Cup);



Q10. Which team has low attendance?

Queries used:

- SELECT min(attendance) FROM World_Cup;
- SELECT team, attendance as 'Low_Attendance' FROM World_Cup WHERE attendance = (SELECT min(attendance) FROM World_Cup);

