

Name: Siddarth Raju Brahmandaberi
Email Id: sidhusiddarth0@gmail.com
Batch: Apr 15, 2021 09:30 PM

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);`

Output:

name	height	weight
Jose Cardenal	70	150
Darrell Evans	74	200
Buck Martinez	70	190
John Wockenfuss	72	190
Tommy McCraw	72	183
Lee Lacy	73	175
Pete Rose	71	192
Jeff Newman	74	215
Jim Hickman	75	192
Fred Whitfield	73	190
Dave Kingman	78	210
Eric Soderholm	71	187
Ed Brinkman	72	170
Wayne Garrett	71	175
Bo Diaz	71	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;`

Output:

name	height	weight
Jose Cardenal	70	150
Darrell Evans	74	200
Buck Martinez	70	190
John Wockenfuss	72	190
Tommy McCraw	72	183
Lee Lacy	73	175
Pete Rose	71	192
Jeff Newman	74	215
Jim Hickman	75	192
Fred Whitfield	73	190
Dave Kingman	78	210
Eric Soderholm	71	187
Ed Brinkman	72	170
Wayne Garrett	71	175
Bo Diaz	71	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;`

Output:

name	handedness	height	weight	HR
Tom Brown	R	73	170	0
Ozzie Osborn	R	74	195	0
John LaRose	L	73	185	0
Jeff Byrd	R	75	195	0
Jerry Kutzler	L	73	175	0
Jeff Barkley	B	75	185	0
Eric Wilkins	R	73	190	0
Britt Burns	L	77	215	0
Nardi Contreras	B	74	193	0
Jack Billingham	R	76	195	0
Gil Patterson	R	73	185	0
Jerry Garvin	L	75	195	0
Steve Eddy	R	74	185	0
Kevin Mmahat	L	77	220	0
Jim Siwy	R	76	200	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.InvoiceId 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%';

Output:

FirstName	LastName	Company	TrackId
Jack	Smith	Microsoft Corporation	463
Jack	Smith	Microsoft Corporation	464
Jack	Smith	Microsoft Corporation	1166
Jack	Smith	Microsoft Corporation	1168
Jack	Smith	Microsoft Corporation	1170
Jack	Smith	Microsoft Corporation	1172
Jack	Smith	Microsoft Corporation	1872
Jack	Smith	Microsoft Corporation	1876
Jack	Smith	Microsoft Corporation	1880
Jack	Smith	Microsoft Corporation	1884
Jack	Smith	Microsoft Corporation	1888
Jack	Smith	Microsoft Corporation	1892
Jack	Smith	Microsoft Corporation	207
Jack	Smith	Microsoft Corporation	652
Jack	Smith	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;

Output:

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	Breaking The Rules	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	Spellbound	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:

team	goals
Yugoslavia	9
Hungary	9

Q7. Which teams made the game tie?

Queries used:

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

Output:

team	team_num	tie
Northern Ireland	1	1
Czechoslovakia	2	1
Wales	1	1
Hungary	2	1
Soviet Union	1	1
England	2	1
Switzerland	1	1
Germany	2	1
Cuba	1	1
Romania	2	1
FRG	1	1
Turkey	2	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:

team	referee
Austria	John van Moorsel (NED)
France	John van Moorsel (NED)
Sweden	John Mowatt (SCO)
Hungary	John Mowatt (SCO)
Soviet Union	John Adair (NIR)
Chile	John Adair (NIR)
Brazil	John Balway (FRA)
Bolivia	John Balway (FRA)
South Africa	John Jairo Toro (COL)
Denmark	John Jairo Toro (COL)
Tunisia	John Gordon (SCO)
Mexico	John Gordon (SCO)
Netherlands	John Gordon (SCO)
Austria	John Gordon (SCO)

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);`

Output:

year	goals
1974	9
1954	9

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);`

Output:

[illegible]