Muzik Store SQL Queries

Query:1

SELECT first_name, last_name, levels from employee

ORDER by levels desc

LIMIT 1

	first_name character (50)		last_name character (50)		levels character varying (10)
1	Mohan	...	Madan		L7

Query:2

SELECT count(*) as c, billing_country from invoice

group by billing_country

order by c DESC

	c bigint	billing_country character varying (30)
1	131	USA
2	76	Canada
3	61	Brazil
4	50	France
5	41	Germany
6	30	Czech Republic
7	29	Portugal
8	28	United Kingdom
9	21	India
10	13	Chile
11	13	Ireland
12	11	Spain
13	11	Finland
14	10	Australia
15	10	Netherlands
16	10	Sweden
17	10	Poland
18	10	Hungary
19	10	Denmark
20	9	Austria
21	9	Norway
22	9	Italy
23	7	Belgium
24	5	Argentina

Query:3

SELECT total from invoice

ORDER by total desc

LIMIT 3

	total double precision 🔒
1	23.759999999999998
2	19.8
3	19.8

Query:4

SELECT billing_city, sum(total) as TotalInvoices

from invoice

GROUP by billing_city

order by TotalInvoices desc

	billing_city character varying (30) 🔒	totalinvoices double precision 🔒
1	Prague	273.24000000000007
2	Mountain View	169.29
3	London	166.32
4	Berlin	158.4
5	Paris	151.47
6	São Paulo	129.69
7	Dublin	114.83999999999997
8	Delhi	111.86999999999999
9	São José dos Campos	108.89999999999998
10	Brasília	106.91999999999999
11	Lisbon	102.96000000000001
12	Bordeaux	99.99
13	Montréal	99.99
14	Madrid	98.01
15	Redmond	98.01
16	Santiago	97.02000000000001
17	Frankfurt	94.05000000000001
18	Orlando	92.07000000000001
19	Reno	91.08000000000001
20	Ottawa	91.08
21	Fort Worth	86.13000000000002
22	Tucson	84.14999999999999
23	Stuttgart	82.17
24	Rio de Janeiro	82.17

Total rows: 53 of 53   Query complete 00:00:00.131

Query:5

select customer.customer_id, customer.first_name, customer.last_name, sum(invoice.total) as s

from customer

join invoice

ON customer.customer_id = invoice.customer_id

GROUP by customer.customer_id

ORDER by s desc

LIMIT 1

	customer_id [PK] integer	first_name character (50)	last_name character (50)	s double precision
1	5	R ...	Madhav	144.54000000000002

Query:6

SELECT distinct email, first_name, last_name, genre.name

from customer

join invoice on customer.customer_id= invoice.invoice_id

join invoice_line on invoice.invoice_id = invoice_line.invoice_id

join track on invoice_line.track_id= track.track_id

join genre on track.genre_id = genre.genre_id

       where genre.name = 'Rock'

order by email asc

	email character varying (50)	first_name character (50)	last_name character (50)	name character varying (120)
1	aaronmitchell@yahoo.ca	Aaron ...	Mitchell ...	Rock
2	alero@uol.com.br	Alexandre ...	Rocha ...	Rock
3	astrid.gruber@apple.at	Astrid	Gruber ...	Rock
4	bjorn.hansen@yahoo.no	Bjørn	Hansen ...	Rock
5	camille.bernard@yahoo.fr	Camille ...	Bernard ...	Rock
6	daan_peeters@apple.be	Daan	Peeters ...	Rock
7	diego.gutierrez@yahoo.ar	Diego	Gutiérrez ...	Rock
8	dmiller@comcast.com	Dan	Miller	Rock
9	dominiquelefebvre@gmail.c...	Dominique ...	Lefebvre ...	Rock
10	edfrancis@yachoo.ca	Edward ...	Francis ...	Rock
11	eduardo@woodstock.com.br	Eduardo ...	Martins ...	Rock
12	ellie.sullivan@shaw.ca	Ellie	Sullivan ...	Rock
13	emma_jones@hotmail.com	Emma ...	Jones ...	Rock
14	enrique_munoz@yahoo.es	Enrique ...	Muñoz ...	Rock
15	fernadaramos4@uol.com.br	Fernanda ...	Ramos ...	Rock
16	fharris@google.com	Frank	Harris ...	Rock
17	fralston@gmail.com	Frank	Ralston ...	Rock
18	ftremblay@gmail.com	François ...	Tremblay ...	Rock
19	fzimmermann@yahoo.de	Fynn	Zimmermann ...	Rock
20	hannah.schneider@yahoo.de	Hannah ...	Schneider ...	Rock
21	hholy@gmail.com	Helena ...	Holý	Rock
22	hleacock@gmail.com	Heather ...	Leacock ...	Rock
23	hughoreilly@apple.ie	Hugh ...	O'Reilly ...	Rock
24	isabelle_mercier@apple.fr	Isabelle ...	Mercier ...	Rock

Total rows: 55 of 55   Query complete 00:00:00.129   Ln 41, Col 1

Query:7

SELECT artist.name, artist.artist_id, count(artist.artist_id)

from artist

join album on artist.artist_id=album.artist_id

join track on album.album_id=track.album_id

JOIN genre on track.genre_id= genre.genre_id

GROUP by artist.artist_id

order by count(artist.artist_id) DESC

limit 10

	name character varying (120)	artist_id [PK] character varying (50)	count bigint
1	Iron Maiden	90	213
2	U2	150	135
3	Led Zeppelin	22	114
4	Metallica	50	112
5	Lost	149	92
6	Deep Purple	58	92
7	Pearl Jam	118	67
8	Lenny Kravitz	100	57
9	Various Artists	21	56
10	The Office	156	53

Query:8

SELECT "name" as na, milliseconds from track

WHERE milliseconds > (

select avg(milliseconds) from track

)

order by milliseconds desc

	na character varying (150)	milliseconds integer
1	Occupation / Precipice	5286953
2	Through a Looking Glass	5088838
3	Greetings from Earth, Pt. 1	2960293
4	The Man With Nine Lives	2956998
5	Battlestar Galactica, Pt. 2	2956081
6	Battlestar Galactica, Pt. 1	2952702
7	Murder On the Rising Star	2935894

Total rows: 494 of 494   Query complete 00:00:00.152   Ln 70, Col 27

Query:9

SELECT distinct(c.customer_id), c.first_name, c.last_name, art.name,

SUM(il.unit_price*il.quantity) AS amount_spent

from customer c

JOIN invoice as i on i.customer_id = c.customer_id

JOIN invoice_line as il on il.invoice_id = i.invoice_id

join track as t on t.track_id = il.track_id

JOIN album as alb on alb.album_id = t.album_id

JOIN artist as art on art.artist_id = alb.artist_id

GROUP by 1,2,3,4

ORDER by amount_spent DESC

	customer_id integer	first_name character (50)	last_name character (50)	name character varying (120)	amount_spent double precision
1	46	Hugh	O'Reilly	Queen	27.719999999999985
2	42	Wyatt	Girard	Frank Sinatra	23.75999999999999
3	3	François	Tremblay ...	The Who	19.799999999999997
4	5	R	Madhav ...	Kiss	19.799999999999997
5	6	Helena	Holý	Red Hot Chili Peppers	19.799999999999997
6	29	Robert	Brown	Creedence Clearwater Revival	19.799999999999997
7	32	Aaron	Mitchell	James Brown	19.799999999999997

Total rows: 1000 of 2189   Query complete 00:00:00.184   Ln 85, Col 27

Query:10

WITH MostPopulerMusic as(

 SELECT c.country, count(il.quantity) as purchases, g.name as Genre_name,

 ROW_NUMBER() OVER(PARTITION BY c.country ORDER BY COUNT(il.quantity) DESC) AS RowNo

 from invoice i

 join customer c on c.customer_id = i.customer_id

 join invoice_line as il on il.invoice_id = i.invoice_id

 JOIN track as t on t.track_id = il.track_id

 JOIN genre as g on g.genre_id= t.genre_id

 GROUP by 1,3

 ORDER by 1 DESC

)

SELECT * from MostPopulerMusic

where RowNo =1

	country character varying (50) 🔒	purchases 🔒 bigint	genre_name 🔒 character varying (120)	rowno 🔒 bigint
1	USA	561	Rock	1
2	United Kingdom	166	Rock	1
3	Sweden	60	Rock	1
4	Spain	46	Rock	1
5	Portugal	108	Rock	1
6	Poland	40	Rock	1
7	Norway	40	Rock	1
8	Netherlands	33	Rock	1
9	Italy	35	Rock	1
10	Ireland	72	Rock	1
11	India	102	Rock	1
12	Hungary	44	Rock	1
13	Germany	194	Rock	1
14	France	211	Rock	1
15	Finland	46	Rock	1
16	Denmark	24	Rock	1
17	Czech Republic	143	Rock	1
18	Chile	61	Rock	1
19	Canada	333	Rock	1
20	Brazil	205	Rock	1
21	Belgium	26	Rock	1
22	Austria	40	Rock	1
23	Australia	34	Rock	1
24	Argentina	17	Alternative & Punk	1

Total rows: 24 of 24   Query complete 00:00:00.122   Ln 105, Col 15

Query:11

with high_spent_customer as(

select c.customer_id, c.first_name, c.last_name, billing_country,sum(i.total) as totalAmount,

row_number() over (partition by billing_country order by sum(i.total)) as rownumber

from invoice i

join customer c on c.customer_id = i.customer_id

group by 4,1

ORDER by 4 ASC

)

select * from high_spent_customer

where rownumber =1;

	customer_id integer	first_name character (50)	last_name character (50)	billing_country character varying (30)	totalamount double precision	rownumber bigint
1	56	Diego	Gutiérrez	Argentina	39.6	1
2	55	Mark	Taylor	Australia	81.18	1
3	7	Astrid	Gruber	Austria	69.3	1
4	8	Daan	Peeters	Belgium	60.38999999999999	1
5	10	Eduardo	Martins	Brazil	60.39	1
6	14	Mark	Philips	Canada	29.699999999999996	1
7	57	Luis	Rojas	Chile	97.02000000000001	1
8	6	Helena	Holý	Czech Republic	128.7	1
9	9	Kara	Nielsen	Denmark	37.61999999999999	1
10	44	Terhi	Hämäläinen	Finland	79.2	1
11	41	Marc	Dubois	France	64.35	1
12	38	Niklas	Schröder	Germany	73.25999999999999	1
13	45	Ladislav	Kovács	Hungary	78.21	1
14	59	Puja	Srivastava	India	71.28	1
15	46	Hugh	O'Reilly	Ireland	114.83999999999997	1
16	47	Lucas	Mancini	Italy	50.49	1
17	48	Johannes	Van der Berg	Netherlands	65.34	1
18	4	Bjørn	Hansen	Norway	72.27000000000001	1
19	49	Stanisław	Wójcik	Poland	76.22999999999999	1
20	35	Madalena	Sampaio	Portugal	82.17	1
21	50	Enrique	Muñoz	Spain	98.01	1
22	51	Joakim	Johansson	Sweden	75.24	1
23	52	Emma	Jones	United Kingdom	68.31	1
24	19	Tim	Goyer	USA	54.449999999999996	1

Total rows: 24 of 24   Query complete 00:00:00.129   Ln 123, Col 20

Solved by Abdul Basit

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