

Key Findings from Analysis

1) Who is the senior most employee based on job title?

	employee_id	last_name	first_name	title	reports_to	levels
1	9	Madan	Mohan	Senior General Manager	NULL	L7

2) Which countries have the most Invoices?

	billing_country	highest_billed_country
1	USA	131

3) What are the top 3 values of total invoices?

	total_invoice
1	23.7600002288818
2	19.7999992370605
3	19.7999992370605

4) Which city has the best customers? We would like to throw a promotional Music Festival in the city where we made the most money. Write a query that returns one city that has the highest sum of invoice totals. Return both the city name & sum of all invoice totals.

	billing_city	invoice_total
1	Prague	273.240000247955
2	Mountain View	169.290001153946
3	London	166.319998502731
4	Berlin	158.399999380112
5	Paris	151.470000505447

- 5) Who is the best customer? The customer who has spent the most money will be declared the best customer. Write a query that returns the person who has spent the most money.

	customer_id	first_name	last_name	most_spent
1	5	František	Wichterlová	144.539998054504

- 6) Write query to return the email, first name, last name, & Genre of all Rock Music listeners. Return your list ordered alphabetically by email starting with A.

	music_type	first_name	last_name	email
1	Rock	Aaron	Mitchell	aaronmitchell@yahoo.ca
2	Rock	Alexandre	Rocha	alero@uol.com.br
3	Rock	Astrid	Gruber	astrid.gruber@apple.at
4	Rock	Bjørn	Hansen	bjorn.hansen@yahoo.no
5	Rock	Camille	Bernard	camille.bernard@yahoo.fr
6	Rock	Daan	Peeters	daan_peeters@apple.be
7	Rock	Diego	Gutiérrez	diego.gutierrez@yahoo.ar
8	Rock	Dan	Miller	dmiller@comcast.com
9	Rock	Dominique	Lefebvre	dominiquelefebvre@gmail.com
10	Rock	Edward	Francis	edfrancis@yahoo.ca
11	Rock	Eduardo	Martins	eduardo@woodstock.com.br
12	Rock	Ellie	Sullivan	ellie.sullivan@shaw.ca
13	Rock	Emma	Jones	emma_jones@hotmail.com
14	Rock	Enrique	Muñoz	enrique_munoz@yahoo.es
15	Rock	Fernanda	Ramos	fernadaramos4@uol.com.br

- 7) Write a query that returns the Artist name and total track count of the top 10 rock bands.

	artist_id	artist_name	rock_count
1	22	Led Zeppelin	114
2	150	U2	112
3	58	Deep Purple	92
4	90	Iron Maiden	81
5	118	Pearl Jam	54
6	152	Van Halen	52
7	51	Queen	45
8	142	The Rolling Stones	41
9	76	Creedence Clearwater Revival	40
10	52	Kiss	35

- 8) Return all the track names that have a song length longer than the average song length. Return the Name and Milliseconds for each track. Order by the song length with the longest songs listed first.

	track_names	milliseconds
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
8	Battlestar Galactica, Pt. 3	2927802
9	Take the Celestra	2927677
10	Fire In Space	2926593

- 9) Find how much amount spent by each customer on artists? Write a query to return customer name, artist name and total spent.

	customer_id	first_name	last_name	artist_name	total_spent
1	46	Hugh	O'Reilly	Queen	27.7200002670288
2	42	Wyatt	Girard	Frank Sinatra	23.7600002288818
3	32	Aaron	Mitchell	James Brown	19.8000001907349
4	5	František	Wichterlová	Kiss	19.8000001907349
5	29	Robert	Brown	Creedence Clearwater Revival	19.8000001907349
6	6	Helena	Holý	Red Hot Chili Peppers	19.8000001907349
7	3	François	Tremblay	The Who	19.8000001907349
8	38	Niklas	Schröder	Queen	18.8100001811981
9	46	Hugh	O'Reilly	Nirvana	18.8100001811981
10	22	Heather	Leacock	House Of Pain	18.8100001811981

- 10) We want to find out the most popular music Genre for each country. We determine the most popular genre as the genre with the highest number of purchases. Write a query that returns each country along with the top Genre. For countries where the maximum number of purchases is shared return all Genres

	country_name	genre	id	purchases	row_num
1	Argentina	Alternative & Punk	4	17	1
2	Australia	Rock	1	34	1
3	Austria	Rock	1	40	1
4	Belgium	Rock	1	26	1
5	Brazil	Rock	1	205	1
6	Canada	Rock	1	333	1
7	Chile	Rock	1	61	1
8	Czech Republic	Rock	1	143	1
9	Denmark	Rock	1	24	1
10	Finland	Rock	1	46	1

- 11) Write a query that determines the customer that has spent the most on music for each country. Write a query that returns to the country along with the top customers and how much they spend.

	customer_id	first_name	last_name	country	total_spent	row_num
1	56	Diego	Gutiérrez	Argentina	39.5999991893768	1
2	55	Mark	Taylor	Australia	81.1800003051758	1
3	7	Astrid	Gruber	Austria	69.299998998642	1
4	8	Daan	Peeters	Belgium	60.3899998664856	1
5	1	Luis	Gonçalves	Brazil	108.899999380112	1
6	3	François	Tremblay	Canada	99.9899981021881	1
7	57	Luis	Rojas	Chile	97.0199997425079	1
8	5	František	Wichterlová	Czech Republic	144.539998054504	1
9	9	Kara	Nielsen	Denmark	37.6199996471405	1
10	44	Terhi	Hämäläinen	Finland	79.2000005245209	1
11	42	Wyatt	Girard	France	99.9899990558624	1
12	37	Fynn	Zimmermann	Germany	94.0499994754791	1
13	45	Ladislav	Kovács	Hungary	78.2099997997284	1
14	58	Manoj	Pareek	India	111.869999647141	1
15	46	Hugh	O'Reilly	Ireland	114.839999437332	1