

## Music Store Analysis Questions with Answers

### 1. What are the top-selling albums of all time?

	<b>title</b> character varying (120) 	<b>total_sold</b> double precision 
1	Are You Experienced?	187
2	Faceless	96
3	Mezmerize	93
4	Get Born	90
5	The Doors	83
6	Greatest Hits I	80
7	The Police Greatest Hits	80
8	Big Ones	80
9	From The Muddy Banks Of The Wishkah [live]	78
10	My Generation - The Very Best Of The Who	76

### 2. Which artists have the most tracks in the store?

	<b>name</b> character varying (120) 	<b>track_count</b> bigint 
1	Iron Maiden	213
2	U2	135
3	Led Zeppelin	114
4	Metallica	112
5	Lost	92
6	Deep Purple	92
7	Pearl Jam	67
8	Lenny Kravitz	57
9	Various Artists	56
10	The Office	53

### 3. What is the distribution of sales across different genres?

	<b>genre</b> character varying (120) 🔒	<b>sales_count</b> bigint 🔒
1	Rock	2635
2	Metal	619
3	Alternative & Punk	492
4	Latin	167
5	R&B/Soul	159
6	Blues	124
7	Jazz	121
8	Alternative	117
9	Easy Listening	74
10	Pop	63
11	Electronica/Dance	55
12	Classical	47
13	Reggae	35
14	Hip Hop/Rap	33
15	Heavy Metal	8
16	Soundtrack	5
17	TV Shows	2

#### 4. How do sales vary by month or year?

	<b>month_year</b> timestamp without time zone 🔒	<b>total_sales</b> double precision 🔒
1	2017-01-01 00:00:00	126.71999999999971
2	2017-02-01 00:00:00	141.56999999999982
3	2017-03-01 00:00:00	103.94999999999983
4	2017-04-01 00:00:00	142.55999999999983
5	2017-05-01 00:00:00	104.93999999999983
6	2017-06-01 00:00:00	75.23999999999998
7	2017-07-01 00:00:00	108.89999999999998
8	2017-08-01 00:00:00	88.10999999999991
9	2017-09-01 00:00:00	107.90999999999981
10	2017-10-01 00:00:00	79.19999999999996
11	2017-11-01 00:00:00	94.04999999999988
12	2017-12-01 00:00:00	28.70999999999983
13	2018-01-01 00:00:00	183.15000000000002
14	2018-02-01 00:00:00	116.81999999999977
15	2018-03-01 00:00:00	148.49999999999999
16	2018-04-01 00:00:00	63.360000000000004
17	2018-05-01 00:00:00	76.22999999999998
18	2018-06-01 00:00:00	76.22999999999998

### 5. Who are the top-spending customers?

	first_name character	last_name character	total_spent double precision
1	R	Madhav	144.54000000000002
2	Helena	Holý	128.7
3	Hugh	O'Reilly	114.83999999999997
4	Manoj	Pareek	111.86999999999999
5	Luís	Gonçalves	108.89999999999998
6	Fernanda	Ramos	106.91999999999999
7	João	Fernandes	102.96000000000001
8	Wyatt	Girard	99.99
9	François	Tremblay	99.99
10	Enrique	Muñoz	98.01

### 6. What are the average sales per customer?

	average_sales_per_customer double precision
1	79.82084745762714

### 7. Which countries have the highest sales?

	billing_country character varying (30)	total_sales double precision
1	USA	1040.4899999999998
2	Canada	535.59000000000001
3	Brazil	427.68000000000006
4	France	389.06999999999999
5	Germany	334.62
6	Czech Republic	273.24000000000007
7	United Kingdom	245.52
8	Portugal	185.13000000000002
9	India	183.14999999999998
10	Ireland	114.83999999999997

## 8. How do sales compare between digital tracks and full albums?

	invoice_line_id [PK] character varying (50)	purchase_type text	total_sales double precision
1	1	Full Album	0.99
2	10	Full Album	0.99
3	100	Individual Tracks	0.99
4	1000	Individual Tracks	0.99
5	1001	Individual Tracks	0.99
6	1002	Individual Tracks	0.99
7	1003	Individual Tracks	0.99
8	1004	Individual Tracks	0.99
9	1005	Individual Tracks	0.99
10	1006	Individual Tracks	0.99
11	1007	Individual Tracks	0.99
12	1008	Individual Tracks	0.99
13	1009	Individual Tracks	0.99
14	101	Individual Tracks	0.99
15	1010	Individual Tracks	0.99
16	1011	Individual Tracks	0.99
17	1012	Individual Tracks	0.99
18	1013	Individual Tracks	0.99
Total rows: 1000 of 4757		Query complete 00:00:26.726	

## 9. What are the most popular tracks recently?

	track_name character varying (150)	sales_count bigint
1	Don't Stand So Close to Me '86	5
2	Hey Joe	5
3	Take the Box	5
4	Message in a Bottle	4
5	Dead And Broken	4
6	She	4
7	I Am	4
8	Message in a Bottle (new classic rock mix)	4
9	Can't Stand Losing You	4
10	Changes	4

10. Which employees have processed the most sales?

	<b>first_name</b> character	<b>last_name</b> character	<b>total_sales_processed</b> bigint
1	Margaret	Park	214
2	Jane	Peacock	212
3	Steve	Johnson	188

11. What is the average number of tracks in an album?

	<b>average_tracks_per_album</b> numeric
1	10.0951008645533141

12. Which genres have the highest average track length?

	<b>genre</b> character varying (120)	<b>avg_track_length</b> numeric
1	Sci Fi & Fantasy	2911783.038461538462
2	Science Fiction	2625549.076923076923
3	Drama	2575283.781250000000
4	TV Shows	2145041.021505376344
5	Comedy	1585263.705882352941
6	Metal	309749.443850267380
7	Electronica/Dance	302985.800000000000
8	Heavy Metal	297452.928571428571
9	Classical	293867.567567567568
10	Jazz	291755.376923076923
11	Rock	283910.043176561295
12	Blues	270359.777777777778
13	Alternative	264058.525000000000
14	Reggae	247177.758620689655
15	Soundtrack	244370.883720930233
16	Alternative & Punk	234353.849397590361
17	Latin	232859.262521588946
18	Pop	229034.104166666667




### 13. What are the total sales for each album?

	album_title character varying (120)	total_sales double precision
1	Are You Experienced?	185.13000000000022
2	Faceless	95.03999999999988
3	Mezmerize	92.06999999999999
4	Get Born	89.09999999999991
5	The Doors	82.16999999999994
6	Big Ones	79.19999999999996
7	Greatest Hits I	79.19999999999996
8	The Police Greatest Hits	79.19999999999996
9	From The Muddy Banks Of The Wishkah [live]	77.21999999999997
10	My Generation - The Very Best Of The Who	75.23999999999998
11	Jagged Little Pill	74.24999999999999
12	20th Century Masters - The Millennium Collection: The Best of Scorpions	73.25999999999999
13	For Those About To Rock We Salute You	73.25999999999999
14	My Way: The Best Of Frank Sinatra [Disc 1]	73.25999999999999
15	The Singles	71.28
16	Dark Side Of The Moon	67.32000000000002
17	News Of The World	63.36000000000004
18	The Cream Of Clapton	59.40000000000034
Total rows: 251 of 251		Query complete 00:00:00.754

### 14. How does sales revenue vary by day of the week?

	day_of_week timestamp without time zone	total_sales double precision
1	2018-01-31 00:00:00	50.49
2	2017-02-21 00:00:00	36.63
3	2020-02-21 00:00:00	33.66
4	2017-04-24 00:00:00	30.69
5	2020-10-30 00:00:00	28.71
6	2019-08-03 00:00:00	28.709999999999997
7	2019-06-01 00:00:00	27.72
8	2019-11-27 00:00:00	26.729999999999997
9	2017-01-03 00:00:00	25.740000000000002
10	2020-09-11 00:00:00	25.74
11	2018-02-09 00:00:00	24.749999999999996
12	2019-08-28 00:00:00	22.77
13	2019-05-24 00:00:00	22.77
14	2018-03-05 00:00:00	21.78
15	2017-04-25 00:00:00	21.78
16	2017-05-01 00:00:00	21.78
17	2019-03-21 00:00:00	20.79
18	2018-03-02 00:00:00	20.79
Total rows: 503 of 503		Query complete 00:00:00.691

### 15. Which tracks have never been purchased?

	<b>track_name</b> character varying (150) 
1	Your Time Has Come
2	Be Yourself
3	Heaven's Dead
4	Man Or Animal
5	Yesterday To Tomorrow
6	Money
7	Long Tall Sally
8	Bad Boy
9	Twist And Shout
10	Please Mr. Postman
11	C'Mon Everybody
12	Rock 'N' Roll Music
13	Slow Down
14	Roadrunner
15	Carol
16	Good Golly Miss Molly
17	20 Flight Rock
18	Quadrant

These queries cover various aspects of analysis, from sales trends to customer behavior and track popularity.