

ATLIQ hard ware company

Sales are declining for ATLIQ hardware company , so sales directors want to know answer for few question that too in interactive dashboard .

Questions need to be answered

1. Total Revenue and Revenue by market
2. Sales quantity and Sales by market
3. Revenue by date
4. Over all Top 5 Customer By Revenue and top 5 Revenue by each market
5. Over all Top 5 Product By Revenue and top 5 Revenue by each market

Data Analysis Using SQL

1. Show all customer records

```
SELECT * FROM customers;
```

2. Show total number of customers

```
SELECT count(*) FROM customers;
```

3. Show transactions for Chennai market (market code for chennai is Mark001)

```
SELECT * FROM transactions where market_code='Mark001';
```

4. Show distinct product codes that were sold in chennai

```
SELECT distinct product_code FROM transactions where  
market_code='Mark001';
```

5. Show transactions where currency is US dollars

```
SELECT * from transactions where currency="USD"
```

6. Show transactions in 2020 join by date table

```
SELECT transactions.*, date.* FROM transactions INNER JOIN date ON  
transactions.order_date=date.date where date.year=2020;
```

7. Show total revenue in year 2020,

```
SELECT SUM(transactions.sales_amount) FROM transactions INNER JOIN date
```

```
ON transactions.order_date=date.date where date.year=2020 and  
transactions.currency="INR\r" or transactions.currency="USD\r";
```

8. Show total revenue in year 2020, January Month,

```
SELECT SUM(transactions.sales_amount) FROM transactions INNER JOIN date  
ON transactions.order_date=date.date where date.year=2020 and  
date.month_name="January" and (transactions.currency="INR\r" or  
transactions.currency="USD\r");
```

9. Show total revenue in year 2020 in Chennai

```
SELECT SUM(transactions.sales_amount) FROM transactions INNER JOIN date  
ON transactions.order_date=date.date where date.year=2020 and  
transactions.market_code="Mark001";
```