a. Who are the five best customers?

**Answer:**

Our Best 5 customers are Matthew Hensen, George Dillon, Jeffery Elliot, Tanya Hill, and Susie Kennedy.

**Script:**

SELECT TOP 5 CustFirstName, CustLastName, Customers.CustomerID, SUM(SalePrice) AS SalesPrice

FROM Customers JOIN Sales

ON Customers.CustomerID = Sales.CustomerID

Group by CustFirstName, CustLastName, Customers.CustomerID

Order By SalesPrice Desc;

**Run Results:**

1. Matthew Hensen 4 8980
2. George Dillon 2 7880
3. Jeffrey Elliot 3 7880
4. Tanya Hill 1 6720
5. Susie Kennedy 6 5700

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b. Which year did the company sell the most chicken coops?

**Answer:**

The company sold the most Chicken Coops in 2020

**Script:**

SELECT year(OrderDate) AS Year, Count(\*) AS Orders

FROM Sales

WHERE PartName LIKE 'Chicken Coop'

GROUP BY Year(OrderDate)

Order by Year

**Run Results:**

Year Orders

1. 2019 32
2. 2020 36
3. 2021 32
4. 2022 28

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c. What items in inventory are in need of reorder?

**Answer:**

The items in inventory that are in need of reorder are the 10 foot 4x4 lumber, the 10 foot 2x4 lumber, and the chicken wire.

**Script:**

SELECT ReorderLevel AS Reorder, PartDescription AS Part, PartNumber

FROM Inventory

WHERE ReorderLevel > 1

ORDER BY ReorderLevel DESC

**Run Results:**

Reorder Part PartNumber

1. 6 10 foot 4x4 Lumber 2
2. 5 10 foot 2x4 Lumber 1
3. 2 Chicken Wire 5

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d. What is the most expensive item presently in inventory?

**Answer:**

Chicken Coop $300

**Script:**

SELECT Max(SalePrice) AS [Top Price], PartName

FROM Sales

GROUP BY SalePrice, PartName

Order By SalePrice Desc;

**Run Results:**

Top Price PartName

300 Chicken Coop

30 Bird Feeder

25 Bird House

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e. Which is the most expensive item the company has ever sold?

**Answer:**

Chicken Coop $300

**Script:**

SELECT Max(SalePrice) AS [Top Price], PartName

FROM Sales

GROUP BY SalePrice, PartName

Order By SalePrice Desc;

**Run Results:**

Top Price PartName

300 Chicken Coop

30 Bird Feeder

25 Bird House

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f. What are the names of the employees that work in the design department?

**Answer:**

Jimmy Buffett, Joe Rogan, Manny Ramirez, Danika Patrick

**Script:**

SELECT FName, LName, JobTitle

FROM Employees

WHERE Jobtitle = 'Design'

**Run Results:**

FName LName JobTitle

1. Jimmy Buffett Design

2. Joe Rogan Design

3. Manny Ramirez Design

4. Danika Patrick Design

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g. What are the names of former employees, and when were they let go?

**Answer:**

Bill Burr 2021-02-02, Julia Roberts 2022-06-06, Rhonda Rousey 2022-05-05, Seth Rogen 2022-02-02, Sylvester Stallone 2019-05-05.

**Script:**

SELECT DISTINCT FName, LName, EndDate

FROM Employees

WHERE EndDate is not null

**Run Results:**

FName Lname EndDate

1. Bill Burr 2021-02-02
2. Julia Roberts 2022-06-06
3. Rhonda Rousey 2022-05-05
4. Seth Rogen 2022-02-02
5. Sylvester Stallone 2019-05-05

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h. What is the best-selling item?

**Answer:**

Chicken Coop is the best-selling item.

**Script:**

SELECT PartName, Count(OrderDate) AS Orders

From Sales

Group by PartName

Order By PartName Desc;

**Run Results:**

PartName Orders

1.Chicken Coop 128

2.Bird House 72

3.Bird Feeder 88

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i. What items do not sell well?

**Answer:**

All of our Sales items sell well but our Minimum selling item is the Bird House.

**Script:**

SELECT PartName, COUNT(OrderDate) AS OrderAmt

FROM Sales

GROUP BY PartName

**Run Results:**

PartName OrderAMT

1. Bird Feeder 88
2. Bird House 72
3. Chicken Coop 128