

Data Summarization using Pivot Table

04 April 2024 23:02

Data Summarization using Pivot Table

Summary of Large Dataset.

Query Function : [SQL]

Syntax:

The basic syntax of the **QUERY** function is as follows:

Plain Text

=QUERY(data, query, [headers])

SQL Query

⇒ SELECT [Read]

whether to include the header or not

Reference [Range] of the cell where you need to implement the Query.

=QUERY(**SafetyData!B1:F515**, "SELECT C,B,E WHERE F>3")

Arguments

QUERY(**data, query, [headers]**)

show gender,injury,incident type where days lost is more than 3

Gender	Injury Location	Incident Type
Male	Neck	Crush & Pinch
Male	Arms	Crush & Pinch
Male	Arms	Fall
Male	Head	Equipment
Male	Hands	Fall
Male	N/A	Burn
Male	Back	Lifting

parameters

Header

⇒ True : If you want to include header otherwise write False

To know , How to Fetch Columns implementing 2 condition to be fulfilled

=QUERY(**SafetyData!F1:K515**, "SELECT I,J WHERE F>3 AND K > 2000")

To know, How to Fetch Columns implementing 2 condition to be fulfilled

```
=QUERY(SafetyData!F1:K515,"SELECT I,J WHERE F>3 AND K > 2000")
```

B	C	D	E	F
injury,incident type where days lost is		show shifts,department where days lost >3 and incident cost>2000		
Injury Location	Incident Type	Shift	Department	
Neck	Crush & Pinch	Night	Shipping	
Arms	Crush & Pinch	Afternoon	Painting	
Arms	Fall	Night	Purchasing	
Head	Equipment	Day	Shipping	
...

Total incident cost for each department.

SUM of Incident Cost

Group The Department
- Group BY

```
=QUERY(SafetyData!J1:K515,"SELECT J, SUM(K) GROUP BY J")
```

Department	sum Incident Cost
Administration	82903
Fabrication	55162
Finishing	72721
Maintenance	75642
Melting	80479
Painting	84113
Purchasing	74574
Security	90857
Shipping	101344

2 columns is being selected

Painting

calculate the Total Incident Cost

Melting

Security

Painting

Shipping

Purchasing

Cost

```
=QUERY(SafetyData!F1:J515, "SELECT J , SUM(F) GROUP BY J ORDER BY SUM(F) DESC LIMIT 5 " )
```

show top 5 departments with highest lost days

Department	sum Days Lost
Fabrication	59.5
Shipping	56.5
Security	49.5
Melting	49
Administration	40

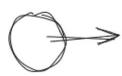
Max : 1234
Min : 4
SUM :
AVG :

Find Max/Min from this Group

4 10 12 25 31 99 111 123 199
512 999 1111 1234 007 101

Fabrication [Category]

Pivot Table



Is Just a simple tool , which is used to summarize a large dataset.

