MySQL PIVOT

Template

Static Pivot Table

You specify each of the column labels to show

```
SELECT
column_for_row_values,
SUM(
  CASE WHEN column_values = 'Column 1'
  THEN column_to_sum ELSE 0 END
) AS column_1,
SUM(
  CASE WHEN column_values = 'Column n'
  THEN column_to_sum ELSE 0 END
) AS column_n
FROM tablename
GROUP BY column_for_row_values;
```

The column that contains the labels you want to show in each row

The column that contains the labels you want to show for each column header

The specific value to use for the column header

The column that contains the numeric values you want to show for each combination of row and column

Repeat for each column you want to display

Dynamic Pivot Table

The column labels are determined based on the data in the columns

```
SET @sql = NULL;
SELECT
GROUP_CONCAT(DISTINCT CONCAT(
  'SUM(
  CASE WHEN column_values = "', column_values, '" THEN
column_to_sum ELSE 0 END)
  AS ', column_values)
)
INTO @sql
FROM tablename;

SET @sql = CONCAT('SELECT column_for_row_values, ',
@sql,
  ' FROM tablename GROUP BY column_for_row_values');
SELECT @sql;

PREPARE stmt FROM @sql;
EXECUTE stmt;
DEALLOCATE PREPARE stmt;
```

Example

```
SELECT
product_name,
SUM(CASE
  WHEN store_location = 'North' THEN num_sales ELSE 0 END
) AS north,
SUM(CASE
  WHEN store_location = 'Central' THEN num_sales ELSE 0 END
) AS central,
SUM(CASE
  WHEN store_location = 'South' THEN num_sales ELSE 0 END
) AS south,
SUM(CASE
  WHEN store_location = 'West' THEN num_sales ELSE 0 END
) AS west
FROM product_sales
GROUP BY product_name;
```

product_name	store_location	num_sales
Chair	North	55
Desk	Central	120
Couch	Central	78
Chair	South	23
...	...	...

product_name	North	Central	South	West
Chair	55	0	23	0
Couch	0	78	0	0
Desk	0	120	0	0