

EXAMPLE #3

FIND THE BEST PERFORMING STORE

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ERR.. PLEASE DEFINE 'BEST
PERFORMING'?

FIND THE BEST PERFORMING STORE

ERR.. PLEASE DEFINE 'BEST
PERFORMING'?

EASY!

- FIND THE TOTAL SALES ACROSS ALL PRODUCTS FOR EACH STORE.
- THE STORE WITH THE HIGHEST TOTAL SALES IS THE BEST PERFORMING STORE

FIND THE BEST PERFORMING STORE
ERR.. PLEASE DEFINE 'BEST PERFORMING'?

ONCE WE GET THE TOTAL SALES IT'S EASY TO
SEE WHICH STORE IS THE BEST PERFORMING

EASY!

- FIND THE TOTAL SALES ACROSS ALL PRODUCTS FOR EACH STORE.
- THE STORE WITH THE HIGHEST TOTAL SALES IS THE BEST PERFORMING STORE

**FIND THE BEST PERFORMING STORE
PRODUCTS FOR EACH STORE.**

FIND THE TOTAL SALES ACROSS ALL PRODUCTS FOR EACH STORE.

StoreLocation	Product	Date	Revenue
Bellandur	Banana		33
Bellandur	Nutella		67
Bellandur	Peanut Butter		89
Bellandur	Milk		76
Koramangala	Banana		01
Koramangala	Nutella		33
Koramangala	Peanut Butter		64
Koramangala	Milk		58
Bellandur	Banana		33
Bellandur	Nutella		10
Bellandur	Peanut Butter		01
Bellandur	Milk		98
Koramangala	Banana		65
Koramangala	Nutella		67
Koramangala	Peanut Butter	January 17, 2016	5102.05
Koramangala	Milk	January 17, 2016	1299.45

FIRST, LET'S GROUP
THIS DATA BY STORE

FIND THE TOTAL SALES ACROSS ALL PRODUCTS FOR EACH STORE.

NEXT, LET'S FIND THE SUM FOR EACH GROUP (STORE)

LET'S GROUP DATA BY STORE

S	Date	Revenue	
Koramangala	Peanut Butter	January 17, 2016	5102.05
Koramangala	Milk	January 17, 2016	1299.45
			33
			67
			89
			76
			33
			1
			01
			98
			01
			33
			64
			58
			65
			67

FIND THE TOTAL SALES ACROSS ALL PRODUCTS FOR EACH STORE.

S	Date	Revenue
K	2016-01-17	8,236.33
K	2016-01-17	7,455.67
K	2016-01-17	6345.1
K	2016-01-17	5673.01
K	2016-01-17	4543.98
K	2016-01-17	9,456.01
K	2016-01-17	3,644.33
K	2016-01-17	8,988.64
K	2016-01-17	1,621.58
K	2016-01-17	8902.65
K	2016-01-17	1299.45
Total = 42,347.07		I = 48,129.38

NEXT, LET THIS GROUPING FIND TH AND SUMMING FOR EA (HAS FLATTENED GROUP THE TABLE (FEWER ROWS))

FIND THE TOTAL SAL AND DATE AND PRODUCT ARE
PRODUCTS FOR EACH JUST 'ALL' I.E. WE HAVE ALSO
THINNED THE TABLE (FEWER COLUMNS)

StoreLocation	TotalRevenue
Bellandur	42,347.07
Koramangala	48,129.38

THIS GROUPING AND SUMMING HAS FLATTENED THE TABLE (FEWER ROWS)

**FIND THE TOTAL SALES
PRODUCTS FOR EACH**

AND DATE AND PRODUCT ARE
JUST 'ALL', I.E. WE HAVE ALSO
THINNED THE TABLE (FEWER
COLUMNS)

StoreLocation	TotalRevenue
Bellandur	42,347.07
Koramangala	48,129.38

**FIND THE TOTAL SALES ACROSS ALL
PRODUCTS FOR EACH STORE.**

StoreLocation	TotalRevenue
Bellandur	42,347.07
Koramangala	48,129.38

**FIND THE TOTAL SALES ACROSS ALL
PRODUCTS FOR EACH STORE.**

**WHICH
ROWS?**

ALL PRODUCTS,
ALL DATES,
**GROUPED BY
STORE**

**WHICH
COLUMNS?**

**TOTAL
REVENUE**

**WHICH
TABLES?**

SALES_DATA

FIND THE TOTAL SALES ACROSS ALL PRODUCTS FOR EACH STORE.

SELECT

WHICH
COLUMNS?

TOTAL
REVENUE

FROM

WHICH
TABLES?

SALES_DATA

GROUP BY

WHICH
ROWS?

ALL PRODUCTS, ALL DATES,
GROUPED BY STORE

**FIND THE TOTAL SALES ACROSS ALL
PRODUCTS FOR EACH STORE.**

SELECT

**StoreLocation ,
SUM (REVENUE) TotalRevenue**

FROM

Sales _Data

GROUP BY

StoreLocation ;

**FIND THE TOTAL SALES ACROSS ALL
PRODUCTS FOR EACH STORE.**

StoreLocation	TotalRevenue
Bellandur	42,347.07
Koramangala	48,129.38

FIND THE TOTAL SALES ACROSS ALL PRODUCTS FOR EACH STORE.

SELECT

StoreLocation,
SUM (REVENUE) TotalRevenue

FROM

Sales _ Data

GROUP BY

StoreLocation;

THERE IS A LOT GOING ON, LET'S BREAK IT DOWN

FIND THE TOTAL SALES ACROSS ALL PRODUCTS FOR EACH STORE.

SELECT

StoreLocation,
SUM (REVENUE) TotalRevenue

FROM

Sales _ Data

GROUP BY

StoreLocation;

THE COLUMNS THAT YOU GROUP BY DEFINE
WHAT GROUPS YOU WILL SUBTOTAL

FIND THE TOTAL SALES ACROSS ALL PRODUCTS FOR EACH STORE.

StoreLocation	Product	Date	Revenue
Bellandur	Banana		33
Bellandur	Nutella		67
Bellandur	Peanut Butter		89
Bellandur	Milk		76
Koramangala	Banana		01
Koramangala	Nutella		33
Koramangala	Peanut Butter		64
Koramangala	Milk		58
Bellandur	Banana		33
Bellandur	Nutella		10
Bellandur	Peanut Butter		01
Bellandur	Milk		98
Koramangala	Banana		65
Koramangala	Nutella		67
Koramangala	Peanut Butter	January 17, 2016	5102.05
Koramangala	Milk	January 17, 2016	1299.45

FIRST, LET'S GROUP
THIS DATA BY STORE

FIND THE TOTAL SALES ACROSS ALL PRODUCTS FOR EACH STORE.

StoreLocation	Product	Date	Revenue
Bellandur	Banana	January 17,2016	33
Bellandur	Nutella	January 17,2016	67
Bellandur	Peanut Butter	January 17,2016	89
Bellandur	Milk	January 17,2016	76
Bellandur	Banana	January 17,2016	33
Bellandur	Nutella	January 17,2016	1
Bellandur	Peanut Butter	January 17,2016	01
Bellandur	Milk	January 17,2016	98
Koramangala	Banana	January 17,2016	01
Koramangala	Nutella	January 17,2016	33
Koramangala	Peanut Butter	January 17,2016	64
Koramangala	Milk	January 17,2016	58
Koramangala	Banana	January 17,2016	65
Koramangala	Nutella	January 17,2016	67
Koramangala	Peanut Butter	January 17,2016	5102.05
Koramangala	Milk	January 17,2016	1299.45

FIRST, LET'S GROUP
THIS DATA BY STORE

FIND THE TOTAL SALES ACROSS ALL PRODUCTS FOR EACH STORE.

SELECT

StoreLocation,
SUM (REVENUE) TotalRevenue

FROM

Sales _ Data

GROUP BY

StoreLocation;

WHAT COLUMN TO TOTAL FOR THE GROUP?
REVENUE

FIND THE TOTAL SALES ACROSS ALL PRODUCTS FOR EACH STORE.

SELECT

StoreLocation,
SUM (REVENUE) TotalRevenue

FROM

Sales _ Data

WHAT COLUMN TO TOTAL FOR THE GROUP?
REVENUE

GROUP BY

StoreLocation;

WHAT TO CALL THE FLATTENED RESULT? TotalRevenue

**FIND THE TOTAL SALES ACROSS ALL
PRODUCTS FOR EACH STORE.**

S
NEXT, LET THIS GROUPING
FIND THE AND SUMMING
FOR EACH AS FLATTENED
GROUP ((THE TABLE (FEWER
ROWS))

Revenue
8,236.33
7,455.67
1,619.00
= 42,347.07
6345.1
5673.01
4543.98
9,456.01
3,644.33
8,988.64
1,621.58
8902.65
= 48,129.38
1299.45

FIND THE TOTAL SALES ACROSS ALL PRODUCTS FOR EACH STORE.

StoreLocation	THIS GROUPING AND SUMMING HAS FLATTENED THE TABLE (FEWER ROWS)	TotalRevenue
Bellandur		42,347.07
Koramangala		48,129.38

FIND THE TOTAL SALES ACROSS ALL PRODUCTS FOR EACH STORE.

SELECT

StoreLocation,
SUM (REVENUE) TotalRevenue

FROM

Sales _ Data

WHAT COLUMN TO TOTAL FOR THE GROUP?
REVENUE

GROUP BY

StoreLocation;

WHAT TO CALL THE FLATTENED RESULT? TotalRevenue

**FIND THE TOTAL SALES ACROSS ALL
PRODUCTS FOR EACH STORE.**

SELECT

StoreLocation,

SUM (REVENUE) TotalRevenue

FROM

Sales _ Data

GROUP BY

StoreLocation;

WHAT COLUMN TO KEEP AFTER THE THINNING? StoreLocation

**FIND THE TOTAL SAL
PRODUCTS FOR EACH**

AND DATE AND PRODUCT ARE
JUST 'ALL', I.E. WE HAVE ALSO
THINNED THE TABLE (FEWER
COLUMNS)

StoreLocation	Product	Date	TotalRevenue
Bellandur	ALL	ALL	42,347.07
Koramangala	ALL	ALL	48,129.38

**FIND THE TOTAL SALES
PRODUCTS FOR EACH**

AND DATE AND PRODUCT ARE
JUST 'ALL', I.E. WE HAVE ALSO
THINNED THE TABLE (FEWER
COLUMNS)

StoreLocation	TotalRevenue
Bellandur	42,347.07
Koramangala	48,129.38

**FIND THE TOTAL SALES ACROSS ALL
PRODUCTS FOR EACH STORE.**

SELECT

**StoreLocation ,
SUM (REVENUE) TotalRevenue**

FROM

Sales _Data

GROUP BY

StoreLocation ;

FIND THE TOTAL S
PRODUCTS FOR EA

FROM THIS, THE BEST
PERFORMING STORE IS
KORAMANGALA

StoreLocation	TotalRevenue
Bellandur	42,347.07
Koramangala	48,129.38