# Resume Project Challenge #9 @CODEBASICS -

https://codebasics.io/challenge/codebasics-resume-project-challenge

## Ad-Hoc Business Requests (SQL Queries)

### Business Requests 1

select distinct(p.product_name), f.product_code, f.base_price, f.promo_type

from dim_products as p

inner join fact_events as f

on  p.product_code = f.product_code

where base_price > 500 and promo_type = "BOGOF"

order by product_name asc;

| product_name | product_code | base_price | promo_type |
|---|---|---|---|
| Atliq_Double_Bedsheet_set | P08 | 1190 | BOGOF |
| Atliq_waterproof_Immersion_Rod | P14 | 1020 | BOGOF |

### Business Requests 2

select distinct (city), count(store_id)

from dim_stores

group by city

order by count(store_id) desc;

| city | count(store_id) |
|---|---|
| Bengaluru | 10 |
| Chennai | 8 |
| Hyderabad | 7 |
| Coimbatore | 5 |
| Visakhapatnam | 5 |
| Madurai | 4 |
| Mysuru | 4 |
| Mangalore | 3 |
| Trivandrum | 2 |
| Vijayawada | 2 |

## Business Requests 3

SELECT campaign_name,

SUM(quantity_sold_before_promo * base_price) AS total_revenue_before_promotion,

SUM(quantity_sold_after_promo * base_price) AS total_revenue_after_promotion

FROM dim_campaigns AS c

INNER JOIN fact_events AS f

ON c.campaign_id = f.campaign_id

GROUP BY campaign_name

ORDER BY campaign_name ASC;

| campaign_name | total_revenue_before_promotion | total_revenue_after_promotion |
|---|---|---|
| Diwali | 82573759 | 207456209 |
| Sankranti | 58127429 | 140403941 |

## Business Requests 4

Select p.category,

Round(((((Sum(quantity_sold_after_promo) - Sum(quantity_sold_before_promo)) / Sum(quantity_sold_before_promo)) * 100), 2) as ISU_PERCENTAGE,

Rank() Over (Order by (((Sum(quantity_sold_after_promo) - Sum(quantity_sold_before_promo)) / Sum(quantity_sold_before_promo)) * 100) desc) as Rank_order

From dim_products as p

Inner Join fact_events as f

on p.product_code = f.product_code

Where f.campaign_id = "CAMP_DIW_01"

Group By p.category;

| category | ISU_PERCENTAGE | Rank_order |
|---|---|---|
| Home Appliances | 244.23 | 1 |
| Combo1 | 202.36 | 2 |
| Home Care | 79.63 | 3 |
| Personal Care | 31.06 | 4 |
| Grocery & Staples | 18.05 | 5 |

## Business Requests 5

Select p.product_name, p.category,

Round(((((SUM(quantity_sold_after_promo * base_price) - SUM(quantity_sold_before_promo * base_price)) / SUM(quantity_sold_before_promo * base_price))*100), 2) As IR_PERCENTAGE

from dim_products as p

Inner Join fact_events as f

on p.product_code = f.product_code

Group By p.product_name, p.category

Order By IR_PERCENTAGE desc

Limit 5;

| product_name | category | IR_PERCENTAGE |
|---|---|---|
| Atliq_waterproof_Immersion_Rod | Home Appliances | 266.19 |
| Atliq_High_Glo_15W_LED_Bulb | Home Appliances | 262.98 |
| Atliq_Double_Bedsheet_set | Home Care | 258.27 |
| Atliq_Curtains | Home Care | 255.34 |
| Atliq_Home_Essential_8_Product_Combo | Combo1 | 183.33 |