Usecases for BetterPurchase –

1. Heartstopper book has cheapest price on eBay

   SQL query –
   Create view cheapest_price_Heartstopper as select * from Barnes b inner join eBay e on b.prod_name. = e.prod_name;

2. What Apple products do Upper middle income group people buy

   SQL query –
   Create view middle_income_ group as select ap.model, ap.incomegroup from walmartdata w inner join apple_product_price ap on w.Product_name = ap.model where ap.incomegroup = "Upper middle income";

3. List all the musical instruments available on Apple, Amazon and Walmart.

   SQL query-

   Create view available_instruments as select * from walmartdata w inner join amazon a on w.Product_name = a.Product_name inner join apple_product_price ap on w.Product_name = ap.model;

4. List the brand name of musical instruments available on Walmart and Amazon.

   SQL query –

   Create view brand_instruments as select * from walmartdata w inner join amazon a on w.Product_name = a.Product_name where w.Category = "Musical instruments";

5. Apple products available in North America

   SQL query –

   Create view products_available as select * from walmartdata w inner join apple_product_price ap on w.Product_name = ap.model

6. Better purchase price for Apple airpods(2nd generation)

   SQL Query –

   Create view price_airpods as select * from walmartdata w inner join apple_product_price ap on w.Product_name = ap.model where ap.model = "AirPods(2nd generation)";

7. Website that offers Poland Spring Simply Bubbles at lowest price

SQL query –

Create view simply_bubbles as select w.product_name,w.Sale_Price as walmart_price ,e.price as ebay_price ,a.Selling_Price as amazon_price from walmartdata w inner join amazon a on w.Product_name = a.Product_name inner join ebay e on w.Product_name = e.prod_name where w.product_name = "Poland Spring Simply Bubbles";

8. Total countries with region Europe where Apple products are sold.

SQL query-

Create view region_europe as select count(distinct(country)) from apple_product_price where region = "Europe";

9. Category of product "Tropicana orange juice"

SQL query –

Create view category as select category from walmartdata where product_name = "Tropicana orange juice";

10. Book with most rating on eBay

SQL query –

Create view most_rating_book as select max(rating) from ebay where category="book";

11. Amazon website offers Swingline Office Stapler at lowest price

SQL query-

Create view stapler as select w.product_name,w.Sale_Price as walmart_price ,e.price as ebay_price ,a.Selling_Price as amazon_price from walmartdata w inner join amazon a on w.Product_name = a.Product_name inner join ebay e on w.Product_name = e.prod_name where w.product_name = "Swingline office stapler";

12. The product_ url for website Amazon for drums

SQL query –

Create view drums_url as select product_url from amazon where product_name = "Drums";

13. List all the office supplies available on Apple, Amazon and Walmart.

    SQL query-

    Create view office_supplies as select * from walmartdata w inner join amazon a on w.Product_name = a.Product_name inner join apple_product_price ap on w.Product_name = ap.model where category ="%Office supplies%";

14. What Apple products do high income group people buy

    SQL query –
    Create view middle_income_ group as select ap.model, ap.incomegroup from walmartdata w inner join apple_product_price ap on w.Product_name = ap.model where ap.incomegroup = "High income";

15. Perrier carbonated mineral water selling price for all websites

    SQL query –

    Create view prices as select w.price, from w.product_name,w.Sale_Price as walmart_price ,e.price as ebay_price ,a.Selling_Price as amazon_price from walmartdata w inner join amazon a on w.Product_name = a.Product_name inner join ebay e on w.Product_name = e.prod_name where w.product_name = "Swingline office stapler";

16. User checks the date from when product is available in market

    SQL query –

    Create view date_when_available as select distinct product_name, date_posted from PRODUCT_DETAILS where product_name LIKE "%water_bottle%" or product_name LIKE "%guitar%";

17. List the product specifications of Donner electric guitar

    SQL query –

    Create view a.prod_specifications as select product_specifications from amazon a inner join Walmart w on a.Product_name = w.Product_name inner join ebay e on a.Product_name = e.Product_name where a.brand_name = "Donner";

18. List all the musical instruments available on Apple, Amazon and Walmart.

    SQL query-

Create view available_instruments as select * from walmartdata w inner join amazon a on w.Product_name = a.Product_name inner join apple_product_price ap on w.Product_name = ap.model;

19. List the number of product names which Poland_Spring sells

SQL query –

Create view Poland_products as select count(product_name) from amazon a inner join Walmart w on a.Product_name = w.Product_name inner join ebay e on a.Product_name = e.Product_name where a.brand_name = "Poland Spring";

20. Websites that sell paper clips

SQL query –

Create view paper_clips as select product_url from from amazon a inner join Walmart w on a.Product_name = w.Product_name inner join ebay e on a.Product_name = e.Product_name where a.product_url like "%amazon.com" or a.product_url like "%walmart.com" or product.url like "%ebay.com" and a.product_name ="Paper clips";