Use Cases

1. Where is Orange juice found at least price

```
select ap.Product_name, ap.Selling_Price, w.Sale_Price from walmartdata w inner join amazon ap on w.Product_name = ap.Product_name order by Sale_P
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Product_name	Selling_Price	Sale_Price
Orange juice	$3.99	3.78

2. Heartstopper Book has cheapest price on EBay

```
select * from barnes b inner join ebay e on b.prod_name = e.prod_name;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

prod_name	category	Price	webiste	prod_name	category	price	Rating	webiste
Heartstopper, Volume 1	book	12.99	barnes	Heartstopper, Volume 1	book	21.95	5	ebay
Run, Rose, Run : A Novel	book	20.99	barnes	Run, Rose, Run : A Novel	book	14	4.8	ebay

3. Heartstopper Book has best rating on EBay

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

prod_name	category	Price	webiste	prod_name	category	price	Rating	webiste
Heartstopper, Volume 1	book	12.99	barnes	Heartstopper, Volume 1	book	21.95	5	ebay
Run, Rose, Run : A Novel	book	20.99	barnes	Run, Rose, Run : A Novel	book	14	4.8	ebay

4. Books present on Barnes_noble but not on EBay

select * from barnes b inner join ebay e on b.prod_name = e.prod_name;

```
select * from barnes b left join ebay e on b.prod_name = e.prod_name;
```

prod_name	category	Price	webiste	prod_name	category	price	Rating	webiste
22 Seconds	book	19.99	barnes	NULL	NULL	NULL	NULL	NULL
Killing the Killers: The Secret War Against Terror...	book	20.99	barnes	NULL	NULL	NULL	NULL	NULL
Lightlark	book	16.99	barnes	NULL	NULL	NULL	NULL	NULL
Oh, the Places You'll Go!	book	17.99	barnes	NULL	NULL	NULL	NULL	NULL
Spy x Family, Vol. 3	book	9.99	barnes	NULL	NULL	NULL	NULL	NULL
Jujutsu Kaisen, Vol. 7	book	9.99	barnes	NULL	NULL	NULL	NULL	NULL

5. Apple products available in United States.

select * from walmartdata w inner join apple_product_price ap on w.Product_name = ap.model

```
select * from walmartdata w inner join apple_product_price ap on w.Product_name = ap.model
-- drop table apple_product_price
```

oduct_inovation	Category	Available	webiste	pid	model	price	country_code	country	region	incomegroup	scraped_date
	Electronics |Television	1	walmart	7	Television	$179	us	United States	North America	High income	52:47.0
	Electronics|Air Pods	1	walmart	5	Apple AirPods (2nd Generation)	$129	us	United States	North America	High income	52:47.0
	Electronics | Laptop	1	walmart	12	MacBook Air 13.3" Laptop	$799	us	United States	North America	High income	52:47.0
	Electronics|Smart Watch	1	walmart	8	Apple Watch SE (2nd Gen)	$279	us	United States	North America	High income	52:47.0

6. What Apple products do High income group people buy

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";

model	incomegroup
Television	High income
Apple AirPods (2nd Generation)	High income
MacBook Air 13.3" Laptop	High income
Apple Watch SE (2nd Gen)	High income

7. Beverages available on Walmart and Amazon

select * from walmartdata w inner join amazon a on w.Product_name = a.Product_name where w.Category = "Beverages";

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	Product_Name	Sale_Price	Brand	Item_Number	Gtin	Product_inovation	Category	Available	webiste	Uniq_Id	Product
oco-Coconu...	Vita coco coconut water	13.76	Vita coco	557358895	55302112	NULL	Beverages	1	walmart	41434099b63a1928f794ed5d3f538ea5	Vita coc
ana-Original...	Orange juice	3.78	Tropicana	558266398	156434873	NULL	Beverages	1	walmart	e5accfdc2a6eb49a518d1ce89bf79693	Orange J

8. Musical instruments available on Apple, Amazon and Walmart

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

```
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
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	Product_Url	Product_Name	Sale_Price	Brand	Item_Number	Gtin	Product_inovation	Category	Available	webiste	Uniq_Id
000	https://www.walmart.com/ip/Apple-TV-4K-Wi-Fi...	Television	17.9	Apple	572656858	725084375	NULL	Electronics |Television	1	walmart	861836a

9. We can compare price between EBay and Amazon

select e.prod_name,e.price,w.Sale_Price from ebay e inner join walmartdata w on e.prod_name = w.Product_name order by e.price asc

```
select e.prod_name,e.price,w.Sale_Price from ebay e inner join walmartdata w on e.prod_name = w.Product_name order by e.price asc
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

prod_name	price	Sale_Price
Swingline office stapler	7.99	7.99
Vita coco coconut water	13.76	13.76
Marker	15	13.86
Perrier carbonated mineral water	25.65	215.82
Donner concert ukulele	59.49	59.99
61 key portable piano	121.99	85.99
Yamaha 325D acoustic guitar	169.99	169.99

10. Which Beverage is cheapest?

select * from walmartdata w inner join amazon a on w.Product_name = a.Product_name where w.Category = "Beverages";

```
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
```

Product_Url	Product_Name	Sale_Price	Brand	Item_Number	Gtin	Product_inovation	Category	Available	webiste	Uniq_Id
https://www.walmart.com/ip/Apple-TV-4K-Wi-Fi...	Television	17.9	Apple	572656858	725084375	NULL	Electronics |Television	1	walmart	861836a

11. Amazon website offers Swingline Office Stapler at lowest price

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";

Product_name	Selling_Price	Sale_Price
61 key portable piano	$112.00	85.99
Television	$123.00	17.9
Vita coco coconut water	$13.07	13.76
Marker	$13.86	13.86
Drums	$159.99	240.99
Perrier carbonated mineral water	$17.99	215.82
VTKTNG Play Mat- Fun Road Design- 38.5 inches...	$20.29	37.99

Result 103

12. What are products of category Office Supplies | Paper | All Paper & Printable Media on EBay, Amazon and Walmart

select * 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.Category = "Office Supplies | Paper | All Paper & Printable Media"

oduct_Url	Product_Name	Sale_Price	Brand	Item_Number	Gtin	Product_inovation	Category	Avail
os://www.walmart.com/ip/Swingline-Stapler-...	Swingline office stapler	7.99	Swingline	NULL	322790981	NULL	Office Supplies | Paper | All Paper & Printable M...	1
os://www.walmart.com/ip/Expo-Low-Odor-D...	Marker	13.86	Expo	552275759	19268657	NULL	Office Supplies | Paper | All Paper & Printable M...	1

13. Brand name of Beverages available on Walmart and Amazon

select * from walmartdata w inner join amazon a on w.Product_name = a.Product_name where w.Category = "Beverages";

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	Product_Name	Sale_Price	Brand	Item_Number	Gtin	Product_inovation	Category	Available	webiste	Uniq_Id	Product
co-Coconu...	Vita coco coconut water	13.76	Vita coco	557358895	55302112	NULL	Beverages	1	walmart	41434099b63a1928f794ed5d3f538ea5	Vita coco
ana-Original...	Orange juice	3.78	Tropicana	558266398	156434873	NULL	Beverages	1	walmart	e5accfdc2a6eb49a518d1ce89bf79693	Orange j

14. Product with least selling price on Amazon and Walmart

select * from barnes b RIGHT JOIN ebay e on b.prod_name = e.prod_name;

id | Filter Rows: | Export: | Wrap Cell Content:

name	category	Price	webiste	prod_name	category	price	Rating	webiste
	NULL	NULL	NULL	The Lost Book of Herbal Remedies	book	37	4.8	ebay
	NULL	NULL	NULL	Paper clips	office supplies	13.99	4	ebay
stopper, Volume 1	book	12.99	barnes	Heartstopper, Volume 1	book	21.95	5	ebay
	NULL	NULL	NULL	Holy Bible: King James Version (Barnes & Noble ...	book	31.5	5	ebay
	NULL	NULL	NULL	Vita coco coconut water	beverages	13.76	4.6	ebay
ose, Run : A Novel	book	20.99	barnes	Run, Rose, Run : A Novel	book	14	4.8	ebay
	NULL	NULL	NULL	61 key portable piano	musical instruments	121.99	4.9	ebay

15. Walmart website offers musical instrument with greater discount

select e.prod_name,e.price,w.Sale_Price from ebay e outer join walmartdata w on e.prod_name = w.Product_name order by selling price

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

System Responses- Displays date related to product
Post Condition- System displays date for following condition
*SQL query- select distinct product_name, date_posted from PRODUCT_DETAILS where product_name LIKE "%water_bottle%" or product_name LIKE "%guitar%";

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	Product_Name	Sale_Price	Brand	Item_Number	Gtin	Product_inovation	Category	Available	webiste	Uniq_Id	Product
)co-Coconu...	Vita coco coconut water	13.76	Vita coco	557358895	55302112	NULL	Beverages	1	walmart	41434099b63a1928f794ed5d3f538ea5	Vita coc
ana-Original...	Orange juice	3.78	Tropicana	558266398	156434873	NULL	Beverages	1	walmart	e5accfdc2a6eb49a518d1ce89bf79693	Orange j

17. What price is sierra blue iphone 13 available at

    select * from walmartdata w inner join apple_product_price ap on w.Product_name = ap.model

18. Apple products available in North America
    select * from walmartdata w inner join apple_product_price ap on w.Product_name = ap.model

```
select * from walmartdata w inner join apple_product_price ap on w.Product_name = ap.model
-- drop table apple_product_price
```

rid | Filter Rows: | Export: | Wrap Cell Content:

)duct_inovation	Category	Available	webiste	pid	model	price	country_code	country	region	incomegroup	scraped_date
	Electronics |Television	1	walmart	7	Television	$179	us	United States	North America	High income	52:47.0
	Electronics|Air Pods	1	walmart	5	Apple AirPods (2nd Generation)	$129	us	United States	North America	High income	52:47.0
	Electronics | Laptop	1	walmart	12	MacBook Air 13.3" Laptop	$799	us	United States	North America	High income	52:47.0
	Electronics|Smart Watch	1	walmart	8	Apple Watch SE (2nd Gen)	$279	us	United States	North America	High income	52:47.0

19. Which books are highly rated
    select * from barnes b INNER JOIN ebay e on b.prod_name = e.prod_name order by e.price desc;

```
select * from barnes b  INNER JOIN ebay e on b.prod_name = e.prod_name order by e.price desc;
-- select *from apple_product_price
-- w.product_name,w.Sale_Price as walmart_price ,e.price as ebay_price ,a.Selling_Price as amazon_pri
```

esult Grid | Filter Rows: | Export: | Wrap Cell Content:

prod_name	category	Price	webiste	prod_name	category	price	Rating	webiste
Heartstopper, Volume 1	book	12.99	barnes	Heartstopper, Volume 1	book	21.95	5	ebay
Run, Rose, Run : A Novel	book	20.99	barnes	Run, Rose, Run : A Novel	book	14	4.8	ebay

20. Products which are present on Walmart , Amazon having category Electronic Charger
    select * from amazon e inner join walmartdata w on e.Product_name = w.Product_name where e.Category = "Electronics|Charger";

```
111 •   select * from amazon e inner join walmartdata w on e.Product_name = w.Product_name where e.Category = "Electronics|Charger";
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Uniq_Id	Product_Name	Brand_Name	Category	Selling_Price	Model_Number	Product_Specification	Shipping_Weight	Proc
cb413f191f367ef08f2d129006cd8aa1	Wireless Charger	Apple	Electronics|Charger	$30.99	E6486AS00	ProductDimensions:2.1x6x10.5inches|ItemWeig...	6.4 ounces	https