

```
1 • SELECT * FROM task_3.`e-commerce`;
```

2

Result Grid																
Filter Rows: <input type="text"/>																
Export:  Wrap Cell Content:  Fetch rows: 																
	CustomerID	Gender	InvoiceDate	InvoiceNumber	ProductID	Quantity	Price	Total	OrderStatus	Country	TrafficSource	SessionDuration	DeviceCategory	Device	OS	DeliveryRating
▶	9691	Female	1/01/2019	26088332	32	3	91.37	274.11	Completed	India	Social Media	6.54	Computer	Laptop	Windows	5
	8327	Female	1/01/2019	95183269	34	1	48.24	48.24	In Process	India	Social Media	5.01	Computer	Desktop	Windows	0
	6801	Male	1/01/2019	44769684	64	2	35.23	70.46	Completed	United States	Paid Advertisement	0.1	Computer	Desktop	Windows	2
	4406	Male	1/02/2019	12422351	41	2	32.33	64.66	Completed	Philippines	Social Media	1.95	Mobile	Tablet	Windows	4
	1966	Male	1/03/2019	84352310	20	1	81.89	81.89	Completed	Brazil	Organic Search	9.15	Computer	Laptop	Windows	3
	6148	Male	1/03/2019	53293645	10	3	19.34	58.02	Completed	Egypt	Organic Search	7.89	Computer	Desktop	Windows	5
	4183	Male	1/04/2019	22473410	46	2	9.88	19.76	Completed	Turkey	Organic Search	1.6	Computer	Laptop	Windows	5
	5979	Male	1/05/2019	45762453	79	2	33.28	66.56	In Process	Japan	Organic Search	0.11	Computer	Laptop	Windows	0
	7656	Male	1/05/2019	72918460	91	3	67.48	202.44	Completed	United States	Paid Advertisement	8.28	Mobile	Smart Phone	Windows	4

```


1 • SELECT * FROM task_3.`e-commerce`;
2
3 # Basic SELECT & WHERE
4 # Query: Get all completed orders made by female customers in India
5 • SELECT *
6 FROM task_3.`e-commerce`
7 WHERE Gender = 'Female'
8     AND OrderStatus = 'Completed'
9     AND Country = 'India';

```

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

	CustomerID	Gender	InvoiceDate	InvoiceNumber	ProductID	Quantity	Price	Total	OrderStatus	Country	TrafficSource	SessionDuration	DeviceCategory	Device	OS	DeliveryRating	ProductRa
▶	9691	Female	1/01/2019	26088332	32	3	91.37	274.11	Completed	India	Social Media	6.54	Computer	Laptop	Windows	2	5
	9783	Female	4/15/2019	48517415	87	3	50.56	151.68	Completed	India	Organic Search	9.97	Mobile	Tablet	Windows	3	4
	4404	Female	6/03/2019	80894491	4	1	32.43	32.43	Completed	India	Social Media	0.87	Computer	Desktop	Windows	4	4
	3869	Female	7/17/2019	49794888	31	2	43.5	87	Completed	India	Organic Search	1.52	Computer	Desktop	Windows	5	4
	1963	Female	8/28/2019	91442453	19	2	13.2	26.4	Completed	India	Social Media	4.56	Computer	Desktop	Mac	4	4
	7224	Female	10/22/2019	57459168	46	2	9.88	19.76	Completed	India	Social Media	5.79	Mobile	Tablet	Windows	3	4
	9527	Female	11/29/2019	47110575	17	2	18.86	37.72	Completed	India	Paid Advertisement	7	Computer	Laptop	Windows	5	5
	7293	Female	1/25/2020	82722071	76	1	76.67	76.67	Completed	India	Paid Advertisement	8.52	Computer	Desktop	Windows	5	4
	5571	Female	1/31/2020	19804640	50	2	50.71	101.42	Completed	India	Paid Advertisement	5.25	Mobile	Smart Phone	Android	2	3

```
13
14 # 2.ORDER BY & GROUP BY
15 # Query:Find Total Sales by each traffic source,sorted by Sales descending.
16
17 • SELECT TrafficSource, SUM(Sales) AS total_sales
18 FROM task_3.`e-commerce`
19 GROUP BY TrafficSource
20 ORDER BY total_sales DESC
21 LIMIT 1000;
```

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

	TrafficSource	total_sales
►	Organic Search	107986.780000000012
	Social Media	69597.030000000004
	Paid Advertisement	42622.030000000002



```

1 • SELECT * FROM task_3.`e-commerce`;
2
3 # 3.self join
4
5 • SELECT * FROM `e-commerce` as a
6   join `e-commerce` as b
7   on a.CustomerID = b.ProductID;
8
9

```

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

	CustomerID	Gender	InvoiceDate	InvoiceNumber	ProductID	Quantity	Price	Total	OrderStatus	Country	TrafficSource	SessionDuration	DeviceCategory	Device	OS	DeliveryRating	Product
▶	9691	Female	1/01/2019	26088332	32	3	91.37	274.11	Completed	India	Social Media	6.54	Computer	Laptop	Windows	2	5
	8327	Female	1/01/2019	95183269	34	1	48.24	48.24	In Process	India	Social Media	5.01	Computer	Desktop	Windows	0	0
	6801	Male	1/01/2019	44769684	64	2	35.23	70.46	Completed	United States	Paid Advertisement	0.1	Computer	Desktop	Windows	1	2
	4406	Male	1/02/2019	12422351	41	2	32.33	64.66	Completed	Philippines	Social Media	1.95	Mobile	Tablet	Windows	4	4
	1966	Male	1/03/2019	84352310	20	1	81.89	81.89	Completed	Brazil	Organic Search	9.15	Computer	Laptop	Windows	5	3
	6148	Male	1/03/2019	53293645	10	3	19.34	58.02	Completed	Egypt	Organic Search	7.89	Computer	Desktop	Windows	4	5
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```

9
10 • SELECT CustomerID, SUM(Total) AS total_spent # 4.Subquer query:get customers who spent more than average total.
11 FROM `e-commerce`
12 GROUP BY CustomerID
13 HAVING total_spent > (
14     SELECT AVG(total_sales)
15     FROM (
16         SELECT CustomerID, SUM(Total) AS total_sales
17         FROM `e-commerce`
18         GROUP BY CustomerID
19     ) AS subquery
20 );

```

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

CustomerID	total_spent
9691	548.22
6801	140.92
4406	129.32
1966	163.78
5979	133.12
7656	404.88
9953	281.36
1817	261
6653	178.88
5162	220.54000000000002
1166	264.74
8888	100.00

```
22
23
24 # 5.Average Functions (SUM,AVG,etc)
25 # Query:Find Average Sales and Quantity by device Category.
26
27 • SELECT DeviceCategory, AVG(Sales) AS avg_sales, AVG(Quantity) AS avg_quantity
28 FROM `e-commerce`
29 GROUP BY DeviceCategory;
30
31
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```

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

	DeviceCategory	avg_sales	avg_quantity
▶	Computer	60.85504636785163	1.9872
	Mobile	62.6394577205883	2.0276

# 6.Create a view

# Query:Create a view to monitor high-Value Sales (sales>1000).

- ```
CREATE VIEW high_value_Sales AS
SELECT CustomerID, Sales, Price, OrderStatus
FROM `e-commerce`
WHERE Sales > 1000;
```