

### --1. Fetch the top 5 age groups which have the highest number of Customers

```
select Age, COUNT(*) as CustomerCount
from cust_table
group by Age
order by CustomerCount DESC
limit 5
```

```
1  --1. Fetch the top 5 age groups which have the highest number of Customers
2  select Age, COUNT(*) as CustomerCount
3  from cust_table
4  group by Age
5  order by CustomerCount DESC
6  limit 5;
7
```

	Age	CustomerCount
1	69	88
2	57	87
3	41	86
4	25	85
5	49	84

## --2. Fetch the percentage of Male and Female Customers.

```
select Gender,  
       COUNT(Gender) as CustomerCount,  
       (COUNT(Gender) * 100.0 / (select COUNT(*) from cust_table)) as Percentage from  
cust_table  
group by Gender
```

```
1  --2. Fetch the percentage of Male and Female Customers.  
2  select Gender,  
3      COUNT(Gender) as CustomerCount,  
4      (COUNT(Gender) * 100.0 / (select COUNT(*) from cust_table)) as Percentage from cust_table  
5  group by Gender  
6
```

	Gender	CustomerCount	Percentage
1	Male	2652	68
2	Female	1248	32

```
1 -- 3. Fetch the top 4 Categories with the highest sales.
2 select Category, sum("Purchase Amount (USD)") as Total
3 from cust_table
4 group by 1
5 order by 2 desc
6 |
```

	Category	Total
1	Clothing	"104264"
2	Accessories	"74200"
3	Footwear	"36093"
4	Outerwear	"18524"

```

1  --4. Fetch the percentage of top 5 Item Purchased.
2
3  select "Item Purchased" , COUNT("Item Purchased") as counts,
4  (COUNT("Item Purchased") * 100.00/ (select COUNT(*) from cust_table)) as Percentage
5  from cust_table
6  group by 1
7  order by 2 desc
8  Limit 5
9
10 |

```

	Item Purchased	counts	Percentage
1	Blouse	171	4.384615384615385
2	Pants	171	4.384615384615385
3	Jewelry	171	4.384615384615385
4	Shirt	169	4.333333333333333
5	Dress	166	4.256410256410256

```

1  -- 5. Fetch the top 5 locations where most orders come from and tell the percentage of orders from those locations.
2  select Location , count("Item Purchased") as orders
3  from cust_table
4  group by 1
5  order by 2 desc
6  limit 5 |

```

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	Location	orders
1	Montana	96
2	California	95
3	Idaho	93
4	Illinois	92
5	Alabama	89

```

1  -- 6. Based on the Size column, tell the percentage of order contribution for each Size.
2  SELECT
3      Size,
4      COUNT(*) AS OrderCount,
5      (COUNT(*) * 100.0 / (SELECT COUNT(*) FROM cust_table)) AS Percentage
6  FROM
7      cust_table
8  GROUP BY
9      Size
10 ORDER BY
11     OrderCount DESC
12

```

	Size	OrderCount	Percentage
1	M	1755	45
2	L	1053	27
3	S	663	17
4	XL	429	11

```

1  -- 7. Fetch the top 4 colors bought by the customers.
2  select  color , count(*) as cust
3  from cust_table
4  group by 1
5  order by 2 desc
6  limit 4

```

	Color	cust
1	Olive	177
2	Yellow	174
3	Silver	173
4	Teal	172

```

1  -- 9. Fetch the rating which was given maximum times by the customer
2
3  select "Review Rating" ,count(*) as cust_rate
4  from cust_table
5  group by 1
6  order by 2 desc
7  limit 1
8

```

	Review Rating	cust_rate
1	3.4	182

```
1 -- 11. How many buyers have not used Promo code?
2 select "Promo Code Used" , count(distinct "Customer ID") as buyers
3 from cust_table
4 group by 1|
```

	Promo Code Used	buyers
1	Yes	1677
2	No	2223

```

1  -- 12. How many buyers have purchased an item before?
2  | select count(distinct "Customer ID")as item_buyer , "Item Purchased"
3  from cust_table
4  group by 2

```

	item_buyer	Item Purchased	
1	171	Blouse	
2	164	Sweater	
3	124	Jeans	
4	160	Sandals	
5	145	Sneakers	
6	169	Shirt	
7	157	Shorts	
8	161	Coat	
9	153	Handbag	
10	150	Shoes	



```

1  -- 13. What are the top 3 payment method of the buyers?
2  select count(distinct "Customer ID") as buyer,"Payment Method"
3  from cust_table
4  group by 2 |
5  order by 1 desc
6  limit 3

```

	buyer	Payment Method
1	677	PayPal
2	671	Credit Card
3	670	Cash

```

1  -- 14. Which category has the most purchased amount?
2  select category , sum("Purchase Amount (USD)")as TotalPurchasedAmount
3  from cust_table
4  group by 1
5  order by TotalPurchasedAmount desc
6  limit 1

```

	Category	TotalPurchasedAm...
1	Clothing	"104264"

```

1  -- 15. Which gender has the most ratings?
2  select gender , COUNT(*) as most_rating
3  from cust_table
4  group by 1 |
5  order by 1 desc
6  limit 1
7
8

```

	Gender	most_rating
1	Male	2652

```

1  -- 10. Which type of shipping has the highest amount of buyers?
2  select "Shipping Type" , count(distinct "Customer ID")as BuyerCount
3  from cust_table
4  group by 1
5  order by 2 desc
6  limit 1|

```

	Shipping Type	BuyerCount
1	3.4	182