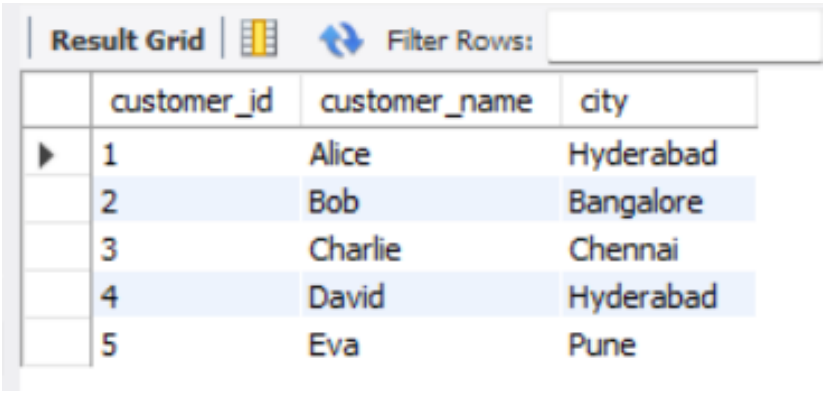
Task – 3 Out Puts

- **Basic select**

SELECT *FROM customers_task_3;



Result Grid | Filter Rows:

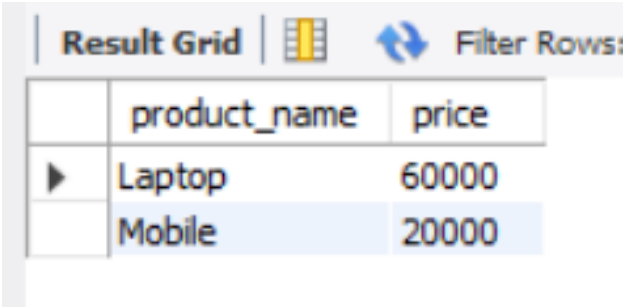
customer_id	customer_name	city
1	Alice	Hyderabad
2	Bob	Bangalore
3	Charlie	Chennai
4	David	Hyderabad
5	Eva	Pune

- **where (Filtering)**

SELECT product_name, price

FROM products_task_3

WHERE price > 10000;



Result Grid | Filter Rows:

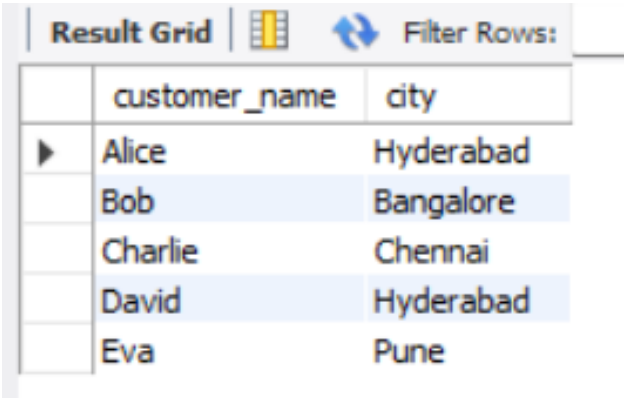
product_name	price
Laptop	60000
Mobile	20000

- **Order by**

SELECT customer_name, city

FROM customers_task_3

ORDER BY customer_name ASC;



Result Grid | Filter Rows:

customer_name	city
Alice	Hyderabad
Bob	Bangalore
Charlie	Chennai
David	Hyderabad
Eva	Pune

- **GROUP BY with Aggregates**

```
SELECT c.customer_name, SUM(p.price * o.quantity) AS total_spent
FROM orders_task_3 o
INNER JOIN customers_task_3 c ON o.customer_id = c.customer_id
INNER JOIN products_task_3 p ON o.product_id = p.product_id
GROUP BY c.customer_name
ORDER BY total_spent DESC;
```

Result Grid | Filter Rows:

customer_name	total_spent
Alice	63000
Eva	60000
Bob	52000
Charlie	4500
David	1600

- **JOIN**

```
SELECT o.order_id, c.customer_name, p.product_name, o.quantity, o.order_date
FROM orders_task_3 o
INNER JOIN customers_task_3 c ON o.customer_id = c.customer_id
INNER JOIN products_task_3 p ON o.product_id = p.product_id;
```

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

order_id	customer_name	product_name	quantity	order_date
1006	Eva	Laptop	1	2023-03-20 00:00:00
1001	Alice	Laptop	1	2023-01-10 00:00:00
1002	Bob	Mobile	2	2023-01-15 00:00:00
1007	Bob	Headphones	4	2023-04-01 00:00:00
1003	Alice	Headphones	1	2023-02-01 00:00:00
1004	Charlie	Keyboard	3	2023-02-05 00:00:00
1005	David	Mouse	2	2023-03-12 00:00:00

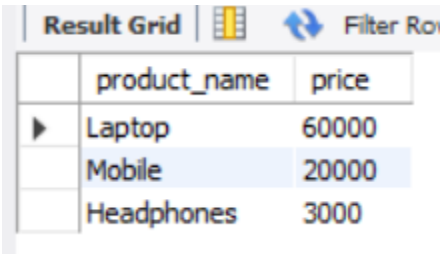
- **LIMIT**

SELECT product_name, price

FROM products_task_3

ORDER BY price DESC

LIMIT 3;



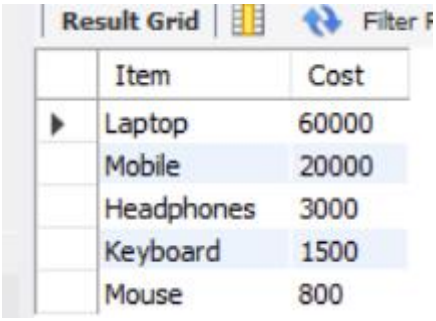
Result Grid | Filter Ro

product_name	price
Laptop	60000
Mobile	20000
Headphones	3000

- **Using Aliases (AS)**

SELECT p.product_name AS Item, p.price AS Cost

FROM products_task_3 p;



Result Grid | Filter

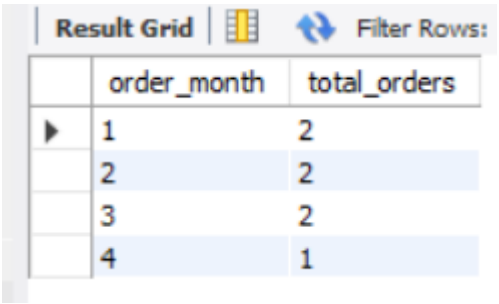
Item	Cost
Laptop	60000
Mobile	20000
Headphones	3000
Keyboard	1500
Mouse	800

- **Date Functions**

SELECT MONTH(order_date) AS order_month, COUNT(*) AS total_orders

FROM orders_task_3

GROUP BY order_month;



Result Grid | Filter Rows:

order_month	total_orders
1	2
2	2
3	2
4	1