```
46
47  ●    select EmployeeID ,Firstname,Lastname , Salary ,
48  ⊖    case
49       when Salary >= 55000 then 'High'
50       when Salary >= 30000 then 'Medium'
51       else 'Low'
52       end as SalaryCategory from Employees order by SalaryCategory ;
```

Result Grid | Filter Rows: [ ] | Export: | Wrap Cell Content: 𝐀

EmployeeID	Firstname	Lastname	Salary	SalaryCategory
2	Susan	Lee	55000.00	High
1	Mark	Johnson	50000.00	Medium

```sql
    case
        when TotalAmount > 1000 THEN TotalAmount * 0.90
        when TotalAmount > 500 THEN TotalAmount * 0.95
        else TotalAmount
    end AS AmountAfterDiscount
```

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

derID	TotalAmount	DiscountApplied	AmountAfterDiscount
	200.75	%0	200.75
	150.50	%0	150.50

```
122        ## Q. 15
123
124    •   select OrderID,CustomerID,OrderDAte, TotalAmount,
125        rank() over (order by TotalAmount desc ) as AmountRank from Orders order by AmountRank ;
```

OrderID	CustomerID	OrderDAte	TotalAmount	AmountRank
102	2	2023-07-03	200.75	1
101	1	2023-07-01	150.50	2

```
117
118 ●    select OrderID, CustomerID, OrderDate, TotalAmount,
119       sum(TotalAmount) over (order by OrderDate,OrderID rows between unbounded preceding and current
120        from Orders  order by OrderDate,OrderID ;
```

Result Grid | 🔳 | ↻ Filter Rows: [_____] | Export: 🔳 | Wrap Cell Content: ‡A

OrderID	CustomerID	OrderDate	TotalAmount	RunningTotal
101	1	2023-07-01	150.50	150.50
102	2	2023-07-03	200.75	351.25

Result 8 ✕

```sql
111
112 •    SELECT CustomerID,
113      CONCAT('>', Email, '<') AS RawEmail, TRIM(Email) AS TrimmedEmail,
114      CONCAT('>', TRIM(Email), '<') AS TrimmedEmailBrackets FROM Customers;
```

Result Grid | ▦ | ↯ Filter Rows: [_____] | Export: ▦ | Wrap Cell Content: ᴵA

	EmployeeID	Firstname_upperCase	Lastname_lowerCase
▶	1	MARK	johnson
	2	SUSAN	lee

```
104
105 ● 	select EmployeeID,
106 	upper(Firstname) As Firstname_upperCase,
107 	lower(Lastname) AS Lastname_lowerCase
108 	from Employees;
```

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

EmployeeID	Firstname_upperCase	Lastname_lowerCase
1	MARK	johnson
2	SUSAN	lee

```sql
 99
100 ●    select CustomerID, Firstname , replace(Firstname,'John','Jonathon') As Replace_Firstname
101      from Customers ;
```

Result Grid | | Filter Rows: [   ] | Export: | Wrap Cell Content: A

CustomerID	Firstname	Replace_Firstname
1	John	Jonathon
2	Jane	Jane

```
94
95 ●    Select CustomerID , concat(Firstname,' ' , Lastname) AS FullName
96         from Customers;
```

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

CustomerID	FullName
1	John Doe
2	Jane Smith

```sql
89
90 ●     select OrderID, Date_format(OrderDate,'%d,%b,%Y' ) As FormatOrderdate
91       from Orders;
```

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

	OrderID	FormatOrderdate
▶	101	01,Jul,2023
	102	03,Jul,2023

```sql
84
85 ●    select OrderID, OrderDate,
86       datediff(current_date , OrderDate ) as DayDifference from Orders
```

OrderID	OrderDate	DayDifference
101	2023-07-01	870
102	2023-07-03	868

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

```sql
80 ●     select OrderId,OrderDate,
81       year(OrderDate) AS OrderYear, month(OrderDate) AS Ordermonth from Orders;
```

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

OrderId	OrderDate	OrderYear	Ordermonth
101	2023-07-01	2023	7
102	2023-07-03	2023	7

```sql
73
74 •    select EmployeeID, FirstName, LastName, Department, Salary
75      from Employees
76      where Salary > (select avg(Salary) from  Employees);
```

Result Grid | Filter Rows: | Edit: | Export/Import:

EmployeeID	FirstName	LastName	Department	Salary
2	Susan	Lee	HR	55000.00
NULL	NULL	NULL	NULL	NULL

```
6
7 ●     select distinct c.CustomerID, c.Firstname , c.Lastname
8       from Customers c
9       join Orders o on c.CustomerID = c.CustomerID
0       where o.TotalAmount > (select AVG(TotalAmount) from Orders );
```

sult Grid | ▦ | ↝ Filter Rows: [   ] | Export: ▤ | Wrap Cell Content: 𝔸

CustomerID	Firstname	Lastname
1	John	Doe
2	Jane	Smith

```sql
52
53 ● select  c.CustomerID, c.Firstname, c.Lastname, c.Email , o.OrderID , o.OrderDate, o.TotalAmount
54    from Customers c left join Orders o on c.CustomerID = c.CustomerID
55    union
56    select c.CustomerID, c.Firstname, c.Lastname, c.Email , o.OrderID, o.OrderDate, o.TotalAmount
57    from Customers c right join Orders o on c.CustomerID = c.CustomerID order by c.CustomerID,o.OrderDate;
```

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

OrderID	OrderDate	TotalAmount	CustomerID	Firstname	Lastname	Email
101	2023-07-01	150.50	1	John	Doe	john.doe@email.com
102	2023-07-03	200.75	1	John	Doe	john.doe@email.com
101	2023-07-01	150.50	2	Jane	Smith	jane.smith@email.com
102	2023-07-03	200.75	2	Jane	Smith	jane.smith@email.com

```
49 ●    select o.OrderID, o.OrderDate, o.TotalAmount, c.CustomerID, c.Firstname, c.Lastname, c.Email
50      from Customers c right join Orders o on c.CustomerID = c.CustomerID order by c.CustomerID,o.OrderDate;
```

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

OrderID	OrderDate	TotalAmount	CustomerID	Firstname	Lastname	Email
101	2023-07-01	150.50	1	John	Doe	john.doe@email.com
102	2023-07-03	200.75	1	John	Doe	john.doe@email.com
101	2023-07-01	150.50	2	Jane	Smith	jane.smith@email.com
102	2023-07-03	200.75	2	Jane	Smith	jane.smith@email.com

```
45
46  select  c.CustomerID, c.Firstname, c.Lastname, c.Email , o.OrderID , o.OrderDate, o.TotalAmount
47    from Customers c left join Orders o on c.CustomerID = c.CustomerID order by c.CustomerID,o.OrderDate;
```

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

CustomerID	Firstname	Lastname	Email	OrderID	OrderDate	TotalAmount
1	John	Doe	john.doe@email.com	101	2023-07-01	150.50
1	John	Doe	john.doe@email.com	102	2023-07-03	200.75
2	Jane	Smith	jane.smith@email.com	101	2023-07-01	150.50
2	Jane	Smith	jane.smith@email.com	102	2023-07-03	200.75

```sql
43 ●     select o.OrderID , o.OrderDate, o.TotalAmount, c.CustomerID, c.Firstname, c.Lastname, c.Email
44       from Orders o inner join Customers c on c.CustomerID = c.CustomerID order by o.OrderDate ;
```

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

OrderID	OrderDate	TotalAmount	CustomerID	Firstname	Lastname	Email
101	2023-07-01	150.50	1	John	Doe	john.doe@email.com
101	2023-07-01	150.50	2	Jane	Smith	jane.smith@email.com
102	2023-07-03	200.75	1	John	Doe	john.doe@email.com
102	2023-07-03	200.75	2	Jane	Smith	jane.smith@email.com