

```
18 • DESCRIBE online_sales;
```

10

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

	Field	Type	Null	Key	Default	Extra
▶	Order ID	text	YES		NULL	
	Amount	int	YES		NULL	
	Profit	int	YES		NULL	
	Quantity	int	YES		NULL	
	Category	text	YES		NULL	
	Sub-Category	text	YES		NULL	

Result 4 x

Output

Action Output

#	Time	Action	Message
✓ 10	15:34:06	CREATE TABLE `sales_data`.`online_sales` ('Order ID' text, 'Amount' int, 'Profit' int, 'Quantit...	OK
✓ 11	15:34:06	PREPARE stmt FROM 'INSERT INTO `sales_data`.`online_sales` ('Order ID','Amount','Profit...	OK
✓ 12	15:34:13	DEALLOCATE PREPARE stmt	OK
✓ 13	15:37:47	DESCRIBE online_sales	12 row(s) returned

```
19 #Verify the first few rows
20 • SELECT * FROM online_sales
21 LIMIT 10;
22
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Fetch rows:

	Order ID	Amount	Profit	Quantity	Category	Sub-Category	PaymentMode	Order Date	CustomerName	State	City	Year
▶	B-26776	9726	1275	5	Electronics	Electronic Games	UPI	6/27/2023	David Padilla	Florida	Miami	2023
	B-26776	9726	1275	5	Electronics	Electronic Games	UPI	12/27/2024	Connor Morgan	Illinois	Chicago	2024
	B-26776	9726	1275	5	Electronics	Electronic Games	UPI	7/25/2021	Robert Stone	New York	Buffalo	2021
	B-26776	4975	1330	14	Electronics	Printers	UPI	6/27/2023	David Padilla	Florida	Miami	2023

online_sales 5 ×

Output

Action Output

#	Time	Action	Message
✓ 11	15:34:06	PREPARE stmt FROM 'INSERT INTO `sales_data`.`online_sales` (`Order ID`,`Amount`,`Profit`...	OK
✓ 12	15:34:13	DEALLOCATE PREPARE stmt	OK
✓ 13	15:37:47	DESCRIBE online_sales	12 row(s) returned
✓ 14	15:39:01	SELECT * FROM online_sales LIMIT 10	10 row(s) returned

```

29 • SELECT
30     EXTRACT(MONTH FROM 'Order Date') AS order_month,
31     EXTRACT(YEAR FROM 'Order Date') AS order_year
32 FROM online_sales
33 LIMIT 10;
34

```

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

	order_month	order_year
▶	NULL	NULL
	NULL	NULL
	NULL	NULL
	NULL	NULL
	NULL	NULL
	NULL	NULL

Result 9 x

Output

Action Output

	#	Time	Action	Message
✖	18	16:05:49	SELECT EXTRACT(MONTH FROM Order Date) AS order_month FROM online_sales	Error Code: 1064. You have an error in your SQL syntax; che
✔	19	16:08:57	SELECT EXTRACT(MONTH FROM 'Order Date') AS order_month FROM online_sales LIM...	1000 row(s) returned
✔	20	16:10:01	SELECT EXTRACT(YEAR FROM 'Order Date') AS order_year FROM online_sales LIMIT 0, ...	1000 row(s) returned
✔	21	16:11:20	SELECT EXTRACT(MONTH FROM 'Order Date') AS order_month, EXTRACT(YEAR FROM...	10 row(s) returned

```
34 #Combine year and month to grouo data monthly
35 • SELECT
36     EXTRACT(YEAR FROM 'Order Date') AS order_year,
37     EXTRACT(MONTH FROM 'OrderDate') AS order_month
38 FROM online_sales
39 GROUP BY order_year, order_month;
```

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

	order_year	order_month
	NULL	NULL

Result 10 x

Output

Action Output

#	Time	Action	Message
✓ 20	16:10:01	SELECT EXTRACT(YEAR FROM 'Order Date') AS order_year FROM online_sales LIMIT 0, ...	1000 row(s) returned
✓ 21	16:11:20	SELECT EXTRACT(MONTH FROM 'Order Date') AS order_month, EXTRACT(YEAR FROM ...	10 row(s) returned
✗ 22	16:13:45	SELECT EXTRACT(YEAR FROM OrderDate) AS order_year, EXTRACT(MONTH FROM ...	Error Code: 1054. Unknown column 'OrderDate' in 'field list'
✓ 23	16:14:16	SELECT EXTRACT(YEAR FROM 'Order Date') AS order_year, EXTRACT(MONTH FRO ...	1 row(s) returned

```

40  #SUM(Amount) adds total revenue for each month
41  •  SELECT
42      EXTRACT(YEAR FROM 'Order Date') AS order_year,
43      EXTRACT(MONTH FROM 'Order Date') AS order_month,
44      SUM(Amount) AS total_revenue
45  FROM online_sales
46  GROUP BY order_year, order_month;

```

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

	order_year	order_month	total_revenue
▶	NULL	NULL	6182639

Result 11 x

Output Action Output

	#	Time	Action	Message
✓	21	16:11:20	SELECT EXTRACT(MONTH FROM 'Order Date') AS order_month, EXTRACT(YEAR FROM...	10 row(s) returned
✗	22	16:13:45	SELECT EXTRACT(YEAR FROM OrderDate) AS order_year, EXTRACT(MONTH FROM ...	Error Code: 1054. Unknown column 'OrderDate' in 'field list'
✓	23	16:14:16	SELECT EXTRACT(YEAR FROM 'Order Date') AS order_year, EXTRACT(MONTH FRO...	1 row(s) returned
✓	24	16:16:12	SELECT EXTRACT(YEAR FROM 'Order Date') AS order_year, EXTRACT(MONTH FRO...	1 row(s) returned

```
47 #To count unique orders per month
48 • SELECT
49     EXTRACT(YEAR FROM 'Order Date') AS order_year,
50     EXTRACT(MONTH FROM 'Order Date') AS order_month,
51     SUM(Amount) AS total_revenue,
52     COUNT(DISTINCT 'Order ID') AS order_volume
53 FROM online_sales
54 GROUP BY order_year, order_month;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

	order_year	order_month	total_revenue	order_volume
▶	NULL	NULL	6182639	1

Result 13 x !

Output

Action Output					
	#	Time	Action		Message
✓	24	16:16:12	SELECT EXTRACT(YEAR FROM 'Order Date') AS order_year, EXTRACT(MONTH FRO...		1 row(s) returned
✓	25	16:18:08	SELECT EXTRACT(YEAR FROM 'Order Date') AS order_year, EXTRACT(MONTH FRO...		1 row(s) returned
✗	26	16:19:02	SELECT EXTRACT(YEAR FROM OrderDate) AS order_year, EXTRACT(MONTH FROM ...		Error Code: 1054. Unknown column 'OrderDate' in 'field list'
✓	27	16:19:32	SELECT EXTRACT(YEAR FROM 'Order Date') AS order_year, EXTRACT(MONTH FRO...		1 row(s) returned

```

55      #Use ORDER BY for sorting results and limit by date
56  •   SELECT
57      EXTRACT(YEAR FROM 'Order Date') AS order_year,
58      EXTRACT(MONTH FROM 'Order Date') AS order_month,
59      SUM(Amount) AS total_revenue,
60      COUNT(DISTINCT 'Order ID') AS order_volume
61  FROM online_sales
62  GROUP BY order_year, order_month
63  ORDER BY order_year, order_month;

```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	order_year	order_month	total_revenue	order_volume
	NULL	NULL	6182639	1

Result 16

Output

Action Output

#	Time	Action	Message
✓ 27	16:19:32	SELECT EXTRACT(YEAR FROM 'Order Date') AS order_year, EXTRACT(MONTH FRO...	1 row(s) returned
✓ 28	16:21:56	SELECT EXTRACT(YEAR FROM 'Order Date') AS order_year, EXTRACT(MONTH FRO...	1 row(s) returned
✓ 29	16:22:22	SELECT EXTRACT(YEAR FROM 'Order Date') AS order_year, EXTRACT(MONTH FRO...	1 row(s) returned
✓ 30	16:22:45	SELECT EXTRACT(YEAR FROM 'Order Date') AS order_year, EXTRACT(MONTH FRO...	1 row(s) returned