```
CREATE DATABASE SALES;
 1 •
     USE SALES;
 2 •
 4 • ⊖ CREATE TABLE sales data (
 5
          Sale ID INT,
          Customer Name VARCHAR(50),
 6
          Product VARCHAR(50),
 8
          Sale Amount INT,
 9
          Sale Date DATETIME
      );
10
11
      INSERT INTO sales data VALUES
12 •
13
      (1, 'Rahul Sharma', 'Banana Chips', 250, '2023-05-01 14:30:00'),
14
      (2, 'Neha Verma', 'Mango Juice', 180, '2023-06-15 10:45:00'),
      (3, 'Akash Mehra', 'Coconut Water', 200, '2023-07-20 09:10:00'),
15
      (4, 'Priya Malhotra', 'Lemonade', 150, '2023-12-10 16:20:00'),
16
      (5, 'Aman Gupta', 'Banana Chips', 300, '2024-01-05 11:00:00');
17
      SELECT * FROM sales data;
18 •
```

```
21
       -- CAST , year ,month , day , time , dateadd, datediff , date part
22
       -- 1. Extract parts of the date
23 •
      SELECT
24
          Sale_Amount,
25
          Sale_Date,
          YEAR(Sale_Date) AS sale_year,
26
          MONTH(Sale_Date) AS sale_month,
27
28
          DAY(Sale_Date) AS sale_day
          FROM sales_data;
29
30
```

Result Grid		Export:	Wrap Cell C	Content:	‡A	
Sale_Amount	Sale_Date	sale_year	sale_month	sale_day		
250	2023-05-01 14:30:00	2023	5	1		
180	2023-06-15 10:45:00	2023	6	15		
200	2023-07-20 09:10:00	2023	7	20		
150	2023-12-10 16:20:00	2023	12	10		
300	2024-01-05 11:00:00	2024	1	5		
250	2023-05-01 14:30:00	2023	5	1		
180	2023-06-15 10:45:00	2023	6	15		
200	2023-07-20 09:10:00	2023	7	20		
150	2023-12-10 16:20:00	2023	12	10		
300	2024-01-05 11:00:00	2024	1	5		
	Sale_Amount 250 180 200 150 300 250 180 200 150	Sale_Amount Sale_Date 250 2023-05-01 14:30:00 180 2023-06-15 10:45:00 200 2023-07-20 09:10:00 150 2023-12-10 16:20:00 300 2024-01-05 11:00:00 250 2023-05-01 14:30:00 180 2023-06-15 10:45:00 200 2023-07-20 09:10:00 150 2023-12-10 16:20:00	Sale_Amount Sale_Date sale_year 250 2023-05-01 14:30:00 2023 180 2023-06-15 10:45:00 2023 200 2023-07-20 09:10:00 2023 150 2023-12-10 16:20:00 2023 300 2024-01-05 11:00:00 2024 250 2023-05-01 14:30:00 2023 180 2023-06-15 10:45:00 2023 200 2023-07-20 09:10:00 2023 150 2023-12-10 16:20:00 2023	Sale_Amount Sale_Date sale_year sale_month 250 2023-05-01 14:30:00 2023 5 180 2023-06-15 10:45:00 2023 6 200 2023-07-20 09:10:00 2023 7 150 2023-12-10 16:20:00 2023 12 300 2024-01-05 11:00:00 2024 1 250 2023-05-01 14:30:00 2023 5 180 2023-06-15 10:45:00 2023 6 200 2023-07-20 09:10:00 2023 7 150 2023-12-10 16:20:00 2023 12	Sale_Amount Sale_Date sale_year sale_month sale_day 250 2023-05-01 14:30:00 2023 5 1 180 2023-06-15 10:45:00 2023 6 15 200 2023-07-20 09:10:00 2023 7 20 150 2023-12-10 16:20:00 2023 12 10 300 2024-01-05 11:00:00 2024 1 5 250 2023-05-01 14:30:00 2023 5 1 180 2023-06-15 10:45:00 2023 6 15 200 2023-07-20 09:10:00 2023 7 20 150 2023-12-10 16:20:00 2023 12 10	Sale_Amount Sale_Date sale_year sale_month sale_day 250 2023-05-01 14:30:00 2023 5 1 180 2023-06-15 10:45:00 2023 6 15 200 2023-07-20 09:10:00 2023 7 20 150 2023-12-10 16:20:00 2023 12 10 300 2024-01-05 11:00:00 2024 1 5 250 2023-05-01 14:30:00 2023 5 1 180 2023-06-15 10:45:00 2023 6 15 200 2023-07-20 09:10:00 2023 7 20 150 2023-12-10 16:20:00 2023 12 10

```
-- 2. Extract time
44
45 •
            SELECT sale date ,
             TIME(Sale_Date) AS sale_time
46
             FROM sales_data;
47
48
49
50
51
                                     Export: Wrap Cell Content: 1A
sale date
                   sale time
  2023-05-01 14:30:00
                  14:30:00
   2023-06-15 10:45:00
                  10:45:00
   2023-07-20 09:10:00
                  09:10:00
   2023-12-10 16:20:00
                  16:20:00
  2024-01-05 11:00:00
                  11:00:00
   2023-05-01 14:30:00
                  14:30:00
   2023-06-15 10:45:00
                  10:45:00
```

09:10:00

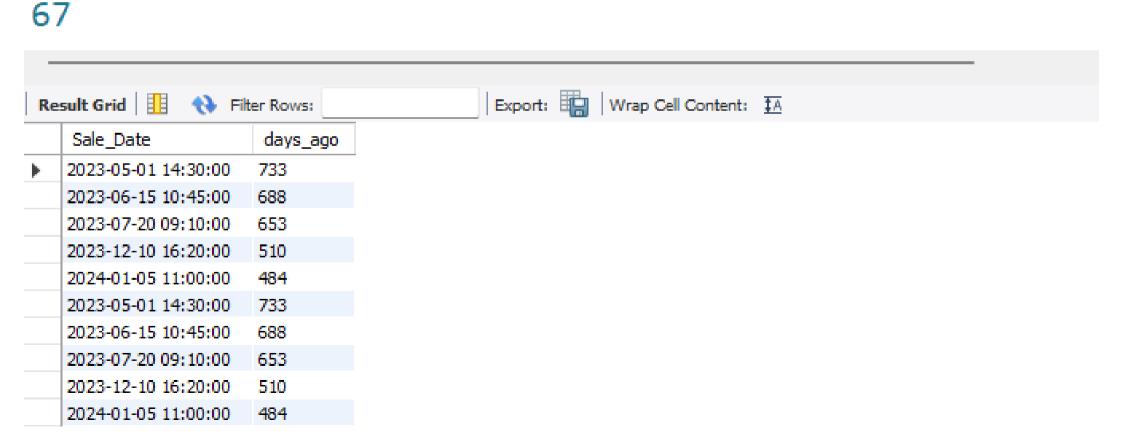
16:20:00

11:00:00

2023-07-20 09:10:00 2023-12-10 16:20:00

2024-01-05 11:00:00

Re	sult Grid 🔢 🙌 Filt	er Rows:	Export: Wrap Cell Content: ‡A	
	Sale_Date	next_week	next_month	
)	2023-05-01 14:30:00	2023-05-08 14:30:00	2023-06-01 14:30:00	
	2023-06-15 10:45:00	2023-06-22 10:45:00	2023-07-15 10:45:00	
	2023-07-20 09:10:00	2023-07-27 09:10:00	2023-08-20 09:10:00	
	2023-12-10 16:20:00	2023-12-17 16:20:00	2024-01-10 16:20:00	
	2024-01-05 11:00:00	2024-01-12 11:00:00	2024-02-05 11:00:00	
	2023-05-01 14:30:00	2023-05-08 14:30:00	2023-06-01 14:30:00	
	2023-06-15 10:45:00	2023-06-22 10:45:00	2023-07-15 10:45:00	
	2023-07-20 09:10:00	2023-07-27 09:10:00	2023-08-20 09:10:00	
	2023-12-10 16:20:00	2023-12-17 16:20:00	2024-01-10 16:20:00	
	2024-01-05 11:00:00	2024-01-12 11:00:00	2024-02-05 11:00:00	



```
72
73 -- 5. Cast to only date and only time
74 • SELECT sale_date,
75 CAST(Sale_Date AS DATE) AS only_date,
76 CAST(Sale_Date AS TIME) AS only_time
77 FROM sales_data;
78
```

