

## Task 6

### 1) Extract:-

```
SELECT EXTRACT(MONTH FROM STR_TO_DATE(order_date, '%m/%d/%Y')) AS  
order_month FROM online sales data(in);
```

	order_month
▶	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1

### 2) Group by:-

```
SELECT EXTRACT(YEAR FROM STR_TO_DATE(order_date, '%m/%d/%Y')) AS order_year,  
EXTRACT(MONTH FROM STR_TO_DATE(order_date, '%m/%d/%Y')) AS order_month,  
COUNT(*) AS total_orders, SUM(Total_revenue) AS total_sales FROM online sales data(in)  
GROUP BY order_year, order_month ORDER BY order_year, order_month;
```

	order_year	order_month	total_orders	total_sales
▶	2024	1	31	14548.319999999992
	2024	2	29	10803.369999999999
	2024	3	31	12849.239999999996
	2024	4	30	12451.689999999995
	2024	5	31	8455.49
	2024	6	30	7384.549999999998
	2024	7	31	6797.08
	2024	8	27	7278.109999999999

### 3) Sum():-

```
select sum(Total_Revenue) AS Revenue from `online sales data(in)`;
```

	Revenue
▶	80567.850000000008

### 4) Count Distinct ID's:-

```
select distinct(Transaction_ID) AS `Unique ID's` from `online sales data(in)`;
```

	Unique ID's
▶	10001
	10002
	10003
	10004
	10005
	10006
	10007
	10008
	10009
	10010
	10011
	10012
	10013
	10014
	10015

### 5) Limit:-

```
SELECT EXTRACT(YEAR FROM STR_TO_DATE(order_date, '%m/%d/%Y')) AS order_year,  
EXTRACT(MONTH FROM STR_TO_DATE(order_date, '%m/%d/%Y')) AS order_month,  
COUNT(*) AS total_orders, SUM(Total_revenue) AS total_sales FROM online sales data(in)  
WHERE EXTRACT(YEAR FROM STR_TO_DATE(order_date, '%m/%d/%Y')) = 2024  
GROUP BY order_year, order_month ORDER BY order_year, order_month;
```

	order_year	order_month	total_orders	total_sales
▶	2024	1	31	14548.319999999992
	2024	2	29	10803.369999999999
	2024	3	31	12849.239999999996
	2024	4	30	12451.689999999995
	2024	5	31	8455.49
	2024	6	30	7384.549999999998
	2024	7	31	6797.08
	2024	8	27	7278.109999999999