

),('0003','2023-02-03',1500.00,103),('0004','2023-02-18',1800.00,104),('0005','2023-03-10',2000.00,105),('0006','2023-03-22',2200.00,106),('0007','2023-04-02',3000.00,107),('0008','2023-04-29',1200.00,108),('0009','2023-05-11',2600.00,109),('0010','2023-05-30',2400.00,110),('0011','2023-06-08',1800.00,111),('0012','2023-06-25',1700.00,112),('0013','2023-07-14',4000.00,113),('0014','2023-07-31',3000.00,114),('0015','2023-08-06',3200.00,115),('0016','2023-08-28',2100.00,116),('0017','2023-09-04',2900.00,117),('0018','2023-09-22',3100.00,118),('0019','2023-10-09',3300.00,119),('0020','2023-10-27',2700.00,120),('0021','2023-11-03',3600.00,121),('0022','2023-11-26',1400.00,122),('0023','2023-12-12',5000.00,123),('0024','2023-12-30',4500.00,124);

Query OK, 24 rows affected (0.04 sec)
Records: 24 Duplicates: 0 Warnings: 0

mysql> select * from online_sales.order;

oreder_id	oreder_date	amount	product_id
0001	2023-01-05	1000.00	101
0002	2023-01-20	2500.00	102
0003	2023-02-03	1500.00	103
0004	2023-02-18	1800.00	104
0005	2023-03-10	2000.00	105
0006	2023-03-22	2200.00	106
0007	2023-04-02	3000.00	107
0008	2023-04-29	1200.00	108
0009	2023-05-11	2600.00	109
0010	2023-05-30	2400.00	110
0011	2023-06-08	1800.00	111
0012	2023-06-25	1700.00	112
0013	2023-07-14	4000.00	113
0014	2023-07-31	3000.00	114
0015	2023-08-06	3200.00	115
0016	2023-08-28	2100.00	116
0017	2023-09-04	2900.00	117
0018	2023-09-22	3100.00	118
0019	2023-10-09	3300.00	119
0020	2023-10-27	2700.00	120
0021	2023-11-03	3600.00	121
0022	2023-11-26	1400.00	122
0023	2023-12-12	5000.00	123
0024	2023-12-30	4500.00	124

```
mysql> select YEAR(oeder_date) AS order_year, MONTH(oeder_date) AS order_month, SUM(amount) AS total_revenue, COUNT(DISTINCT oeder_id) AS total_order  
s FROM online_sales.order WHERE oeder_date BETWEEN '2023-01-01' AND '2023-12-31' GROUP BY YEAR(oeder_date), MONTH(oeder_date) ORDER BY order_year  
, order_month;
```

order_year	order_month	total_revenue	total_orders
2023	1	3500.00	2
2023	2	3300.00	2
2023	3	4200.00	2
2023	4	4200.00	2
2023	5	5000.00	2
2023	6	3500.00	2
2023	7	7000.00	2
2023	8	5300.00	2
2023	9	6000.00	2
2023	10	6000.00	2
2023	11	5000.00	2
2023	12	9500.00	2

12 rows in set (0.01 sec)

```
mysql> SELECT product_id,MONTH(ordered_date) AS Month, SUM(amount) FROM online_sales.order GROUP BY product_id,MONTH(ordered_date);
```

product_id	month	SUM(amount)
101	1	1000.00
102	1	2500.00
103	2	1500.00
104	2	1800.00
105	3	2000.00
106	3	2200.00
107	4	3000.00
108	4	1200.00
109	5	2600.00
110	5	2400.00
111	6	1800.00
112	6	1700.00
113	7	4000.00
114	7	3000.00
115	8	3200.00
116	8	2100.00
117	9	2900.00
118	9	3100.00
119	10	3300.00
120	10	2700.00
121	11	3600.00
122	11	1400.00
123	12	5000.00
124	12	4500.00

```
24 rows in set (0.01 sec)
```

```
mysql> SELECT MONTH (oorder_date) AS month, SUM(amount) / COUNT(DISTINCT oorder_id) AS avg_order_value FROM online_sales.order GROUP BY MONTH(oorder_date) ORDER BY month;
```

month	avg_order_value
1	1750.000000
2	1650.000000
3	2100.000000
4	2100.000000
5	2500.000000
6	1750.000000
7	3500.000000
8	2650.000000
9	3000.000000
10	3000.000000
11	2500.000000
12	4750.000000

```
12 rows in set (0.01 sec)
```