

```

),('0803','2023-02-03',1500.00,103),('0804','2023-02-18',1800.00,104),('0805','2023-03-10',2000.00,105),('0806','2023-03-22',2200.00,106),('0807','2023-04-02',3000.00,107),('0808','2023-04-29',1200.00,108),('0809','2023-05-11',2600.00,109),('0810','2023-05-30',2400.00,110),('0811','2023-06-08',1800.00,111),('0812','2023-06-25',1700.00,112),('0813','2023-07-14',4000.00,113),('0814','2023-07-31',3000.00,114),('0815','2023-08-06',3200.00,115),('0816','2023-08-28',2100.00,116),('0817','2023-09-04',2900.00,117),('0818','2023-09-22',3100.00,118),('0819','2023-10-09',3300.00,119),('0820','2023-10-27',2700.00,120),('0821','2023-11-03',3600.00,121),('0822','2023-11-26',1400.00,122),('0823','2023-12-12',5000.00,123),('0824','2023-12-30',4500.00,124);
Query OK, 24 rows affected (0.94 sec)
Records: 24  Duplicates: 0  Warnings: 0

mysql> select * from online_sales.order;
+-----+-----+-----+-----+
| order_id | order_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(oreder_date) AS order_year, MONTH(oreder_date) AS order_month, SUM(amount) AS total_revenue, COUNT(DISTINCT oreder_id) AS total_order_s FROM online_sales.order WHERE oreder_date BETWEEN '2023-01-01' AND '2023-12-31' GROUP BY YEAR(oreder_date), MONTH(oreder_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(toreader_date) AS Month, SUM(amount) FROM onlinesales.order GROUP BY product_id,MONTH(toreader_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 |
+-----+-----+-----+
```

```
mysql> SELECT MONTH(oreder_date) AS month,          SUM(amount) / COUNT(DISTINCT oreder_id) AS avg_order_value FROM online_sales.order    GROUP BY MONTH(orede  
r_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)
```