Market Analysis

A customer has provided sales data containing information about customer purchases, as shown in the table below.

```
+------------+-----------+--------------+----------+---------+
| CustomerID | ProductID | PurchaseDate | Quantity | Revenue |
+------------+-----------+--------------+----------+---------+
|          1 | A         | 2023-01-01   |        5 |  100.00 |
|          2 | B         | 2023-01-02   |        3 |   50.00 |
|          3 | A         | 2023-01-03   |        2 |   30.00 |
|          4 | C         | 2023-01-03   |        1 |   20.00 |
|          1 | B         | 2023-01-04   |        4 |   80.00 |
+------------+-----------+--------------+----------+---------+
```

Your task is to :

CREATE table market_analysis

(CustomerID int,ProductID CHAR(1),PurchaseDate DATE,Quantity INT,Revenue DECIMAL(10,2));

insert into market_analysis(CustomerID,ProductID,PurchaseDate,Quantity,Revenue)

VALUES

(1,'A','2023-01-01',5,100),

(2,'B','2023-01-02',3,50),

(3,'A','2023-01-03',2,30),

(4,'C','2023-01-03',1,20),

(1,'B','2023-01-04',4,80);

- Calculate total revenue

  SELECT sum(Revenue) as Total_Revenue FROM market_analysis;
- Calculate total sales by product

  select productid,SUM(revenue) from market_analysis
  GROUP BY productid
  order by Productid;
- Find top customer by Revenue
  select CustomerID,sum(Revenue) as Customer_by_revenue from market_analysis
  GROUP BY CustomerID
  order by Customer_by_revenue DESC
  limit 1;