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:

1. Calculate total revenue
2. Calculate total sales by product
3. Find top customer by Revenue

Output:

1.

TotalRevenue
280.00

2.

ProductID	TotalQuantity	TotalRevenue
A	7	130.00
B	7	130.00
C	1	20.00

3.

CustomerID	TotalRevenue
1	180
2	50
3	30
4	20

SQL Code

```
DROP  table Sales;
```

```
create table Sales(
CustomerID int ,
ProductID CHAR,
PurcahseDate DATE,
Quantity INT,
Revenue NUMERIC);

INSERT into Sales(CustomerID,ProductID,PurcahseDate,Quantity,Revenue)
VALUES
(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);

select * from Sales;

SELECT sum(Revenue) as TotalRevenue
from Sales;

SELECT ProductID,sum(Quantity) as TotalQuantity,sum(Revenue) as TotalRevenue
from Sales
group by ProductID

SELECT CustomerID,sum(Revenue) as TotalRevenue
from Sales
group by CustomerID
Order by TotalRevenue DESC
```