```sql
-- create a databse
create database if not exists  customer;


-- use databse
use customer;


-- creating a table
create table information (
 orderid int primary key,
 customername varchar(50) not null,
 product varchar(50),
 category varchar(50),
 quantity int not null,
 unitprice int ,
 region varchar(50),
 totalamount int
 );


 -- insert information in the table
insert into information (
 orderid, customername, product, category, quantity, unitprice,region ,totalamount
 )
 VALUES
('1000', 'Allison Hill', 'Monitor', 'Accessories', 4, 114.37, 'South', 457.48),
('1001', 'Noah Rhodes', 'Tablet', 'Accessories', 3, 307.8, 'East', 923.4),
('1002', 'Angie Henderson', 'Keyboard', 'Electronics', 4, 316.92, 'West', 1267.68),
('1003', 'Daniel Wagner', 'Tablet', 'Accessories', 5, 714.94, 'North', 2859.76),
('1004', 'Cristian Santos', 'Tablet', 'Electronics', 1, 649.00, 'South', 649.00),
```

('1005', 'Connie Lawrence', 'Mouse', 'Electronics', 3, 849.88, 'West', 2549.64),

('1006', 'Abigail Shaffer', 'Keyboard', 'Electronics', 1, 256.03, 'North', 256.03),

('1007', 'Gina Moore', 'Keyboard', 'Electronics', 3, 451.95, 'West', 1355.85),

('1008', 'Gabrielle Davis', 'Keyboard', 'Electronics', 3, 264.01, 'North', 792.03),

('1009', 'Ryan Munoz', 'Tablet', 'Accessories', 1, 779.83, 'South', 779.83),

('1010', 'Monica Herrera', 'Monitor', 'Accessories', 1, 482.64, 'East', 482.64),

('1011', 'Jamie Arnold', 'Keyboard', 'Accessories', 3, 287.15, 'North', 861.45),

('1012', 'Lisa Hensley', 'Tablet', 'Accessories', 2, 610.93, 'West', 1221.86),

('1013', 'Michele Williams', 'Mouse', 'Accessories', 4, 128.18, 'South', 512.72),

('1014', 'Dylan Miller', 'Monitor', 'Electronics', 1, 858.06, 'North', 858.06),

('1015', 'Brian Ramirez', 'Mouse', 'Accessories', 4, 504.78, 'West', 2019.12),

('1016', 'Holly Wood', 'Monitor', 'Accessories', 2, 455.64, 'West', 911.28),

('1017', 'Derek Zuniga', 'Tablet', 'Electronics', 2, 933.99, 'West', 1867.98),

('1018', 'Lisa Jackson', 'Laptop', 'Accessories', 2, 754.54, 'North', 1509.08),

('1019', 'Carla Gray', 'Monitor', 'Electronics', 1, 393.89, 'North', 393.89);

select * from information;

-- Find total sales (TotalAmount) made in the 'North' region.

select totalamount

from information

where region = 'North';

-- find the order(s) with the maximum TotalAmount.

select *

from information

where totalamount = (select max(totalamount) from information);

```sql
-- Group total sales by Category and show in descending order.

select sum(totalamount) , category as total_sales

from information

group by category

order by total_sales DESC ;




-- List customer names who ordered 'Laptop'.

select customername

from information

where product = 'Laptop';


-- Find the top 3 regions with highest total sales.

SELECT region, SUM(totalamount) AS total_sales

FROM information

GROUP BY region

ORDER BY total_sales DESC

LIMIT 3;
```