SELCET QUREY


```
SELECT productid, brand, pcategory, color
FROM Product WHERE pcategory = 'Clothing';
```


```
SELECT  Vendorid, Vendorname, Rating FROM Vendor WHERE Rating is NULL
```


```
SELECT DISTINCT Pcategory FROM Product;
```

SELECT Id, EName FROM Employee WHERE EName LIKE 'E%';

SELECT Id, EName, DOJ FROM Employee WHERE DOJ LIKE '__-___-__';


```
SELECT custid,custname, age, email
FROM Customer
WHERE custname LIKE '%a%' AND custlocation LIKE '%u%'
```


```sql
SELECT journalid, journalname
FROM Journal
WHERE Genre IN ('Scientific','Politics');
```


```sql
SELECT journalname,
monthlycharges AS "CURRENT CHARGES",
(monthlycharges * (1-5/100)) AS "OFFER PRICE",
(monthlycharges * (5/100)) AS "DISCOUNTED AMOUNT"
FROM Journal
```


```sql
SELECT Subscriptionid, customerid
FROM Subscription
WHERE startdate BETWEEN '2023-01-01' AND '2023-06-30';
```


```sql
SELECT Customerid, customername, state, city
FROM Customer
```

```
WHERE customertype <> 'Regular';
```


```
SELECT journalname, genre
FROM Journal
WHERE Genre IN ('Trade','Politics') AND monthlycharges BETWEEN 90 AND 125;
```


```
SELECT customerid, customername, customertype, state
FROM Customer
WHERE state = 'Illinois' AND (customertype LIKE '%rime%' OR customertype LIKE '%gul%');
```


```
SELECT Publishername
FROM Publisher
WHERE contactno IS NULL
```


```
SELECT Journalid, journalname, monthlycharges
FROM Journal
WHERE monthlycharges BETWEEN 86 AND 129;
```

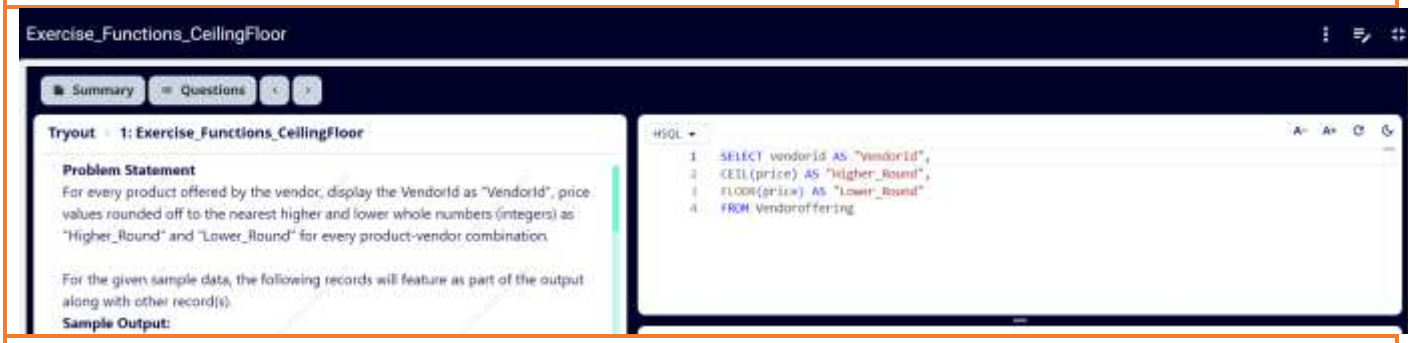

```sql
SELECT Journalid, monthlycharges
FROM Journal
WHERE Genre IN ('Trade', 'Politics');
```


```sql
SELECT DISTINCT state
FROM Customer;
```

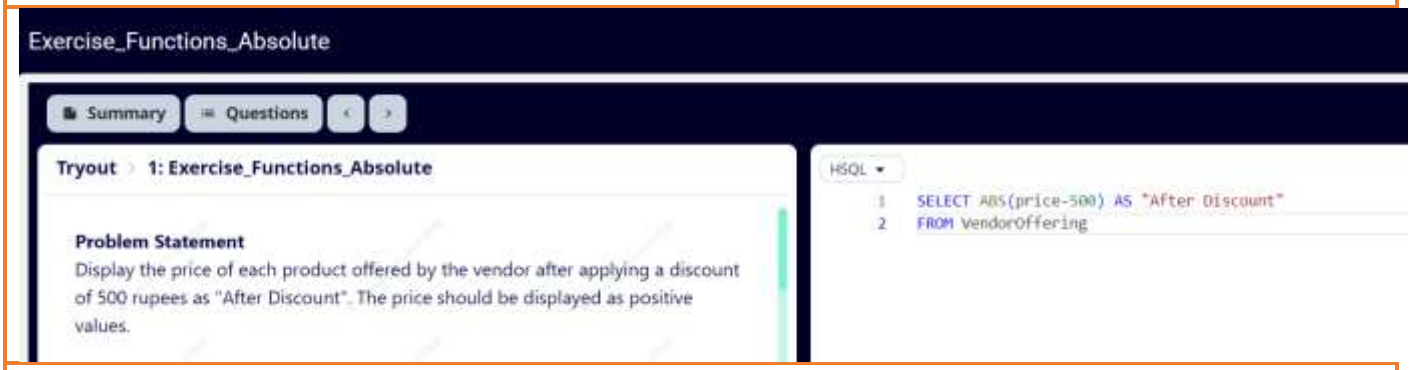

```sql
SELECT DISTINCT Customertype, state
FROM Customer;
```


```sql
SELECT journalname, genre
FROM Journal
WHERE Genre LIKE '%ti%';
```

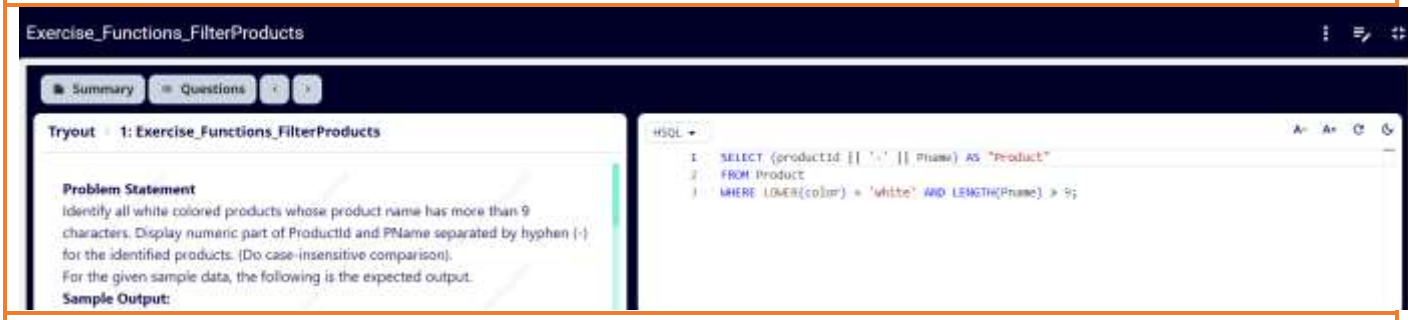

```sql
SELECT publisherid, publishername, rating, contactno
FROM Publisher
WHERE publishername LIKE '%i_';
```




```sql
SELECT vendorid AS "VendorId",
CEIL(price) AS "Higher_Round",
FLOOR(price) AS "Lower_Round"
FROM Vendoroffering
```




```sql
SELECT ABS(price-500) AS "After Discount"
FROM VendorOffering
```




```sql
SELECT (productId || '-' || Pname) AS "Product"
FROM Product
WHERE LOWER(color) = 'white' AND LENGTH(Pname) > 9;
```


```
SELECT (Pname || '-' || SUBSTR(review,1,1)) AS "Product_Review"
FROM Product
WHERE pcategory LIKE '%i%';
```


```
SELECT MIN(rating) AS min_rating,
MAX(rating) AS max_rating,
AVG(Rating) AS avg_rating,
COUNT(rating) AS numberofvendors
FROM vendor
```


```
SELECT SUM(CEIL(price)) AS "Total_Price" FROM Vendoroffering;
```


```
SELECT invoiceid, productid, ROUND(MONTHS_BETWEEN(CURRENT_DATE,Purchasedate)) AS
noofmonths
FROM Invoice
WHERE productid = 'P105';
```


```
SELECT Invoiceid AS "InvoiceId", PurchaseDate AS "PurchaseDate",
        ADD_MONTHS(PurchaseDate,2) AS "ExchangeValidityDate"
FROM Invoice
```


```
SELECT CustId AS "CustomerId", CustName AS "CustomerName",
    NVL(Email,'Not Provided') AS "CustEmail",
    NVL(Age,0) AS "CustAge"
FROM Customer
```


```
SELECT vendorId, NVL(TO_CHAR(Rating), 'Not Provided') AS RATING
FROM Vendor
```

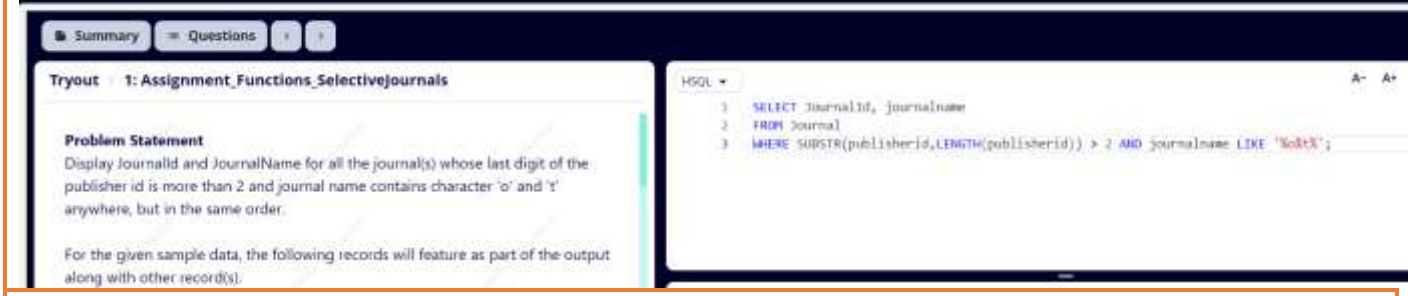

```
SELECT Journalid AS "JournalId", FLOOR(monthlycharges - 70.25) AS "Rounded_Integer"
FROM Journal
WHERE LENGTH(Genre) >8;
```


```sql
SELECT COUNT(*) AS NUMBEROFPUBLISHERS
FROM Publisher
WHERE Contactno IS NOT NULL AND LENGTH(publishername) > 5;
```


```sql
SELECT JournalID AS "JournalId",
    Genre AS "Genre",
    monthlycharges AS "Old_Price",
    ROUND(monthlycharges*0.625, 2) AS "New_Price"
    FROM Journal
    WHERE genre = 'Academics';
```


```sql
SELECT customerid, customername
FROM Customer
WHERE LOWER(customertype) = 'regular' AND State LIKE '%o%';
```

Assignment_Functions_SelectiveJournals

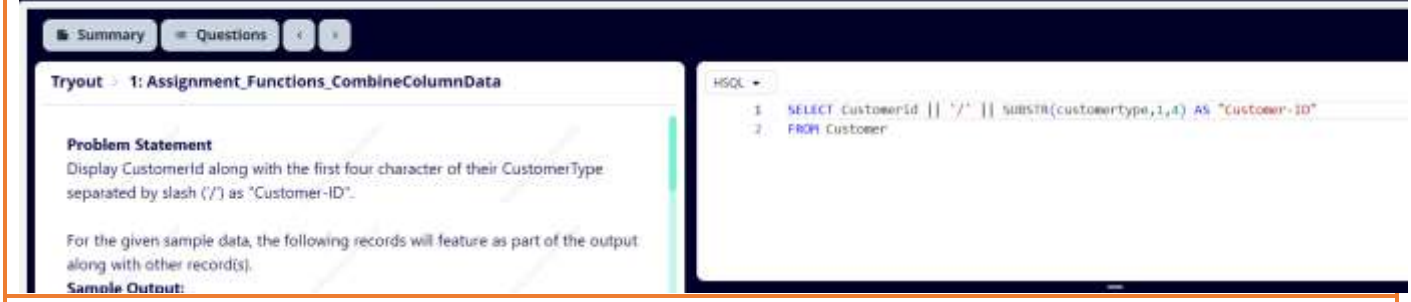



```
SELECT JournalId, journalname
FROM Journal
WHERE SUBSTR(publisherid,LENGTH(publisherid)) > 2 AND journalname LIKE '%o%t%';
```

Assignment_Functions_Aggregate


```
SELECT MAX(Discountpercent) AS "MaxDiscount",
    MIN(Discountpercent) AS "MinDiscount",
    AVG(Discountpercent) AS "AvgDiscount"
    FROM Subscription;
```

Assignment_Functions_CombineColumnData




```
SELECT Customerid || '/' || SUBSTR(customertype,1,4) AS "Customer-ID"
FROM Customer;
```

Assignment_Functions_CountUniqueStartDates


```
SELECT COUNT(DISTINCT StartDate) AS "Total_Dates"
FROM Subscription;
```


```sql
SELECT MIN(Discountpercent) AS "Min Discount Percent",
    COUNT(*) AS "No. Of Customers"
    FROM Subscription
    WHERE MONTH(Startdate) = 11;
```


```sql
SELECT COUNT(DISTINCT customerId) AS "NoOfUniqueCustomer"
FROM Subscription
WHERE MONTH(Startdate) <> 06;
```


```sql
SELECT SUM(monthlyCharges) AS "Monthly_Charges"
FROM Journal
WHERE SUBSTR(PublisherId, LENGTH(PublisherId)) >4;
```


```sql
SELECT subscriptionID, Customerid
FROM Subscription
```

```
WHERE ADD_MONTHS(Startdate,durationinmonths) BETWEEN '2024-06-30' AND '2024-07-30';
```

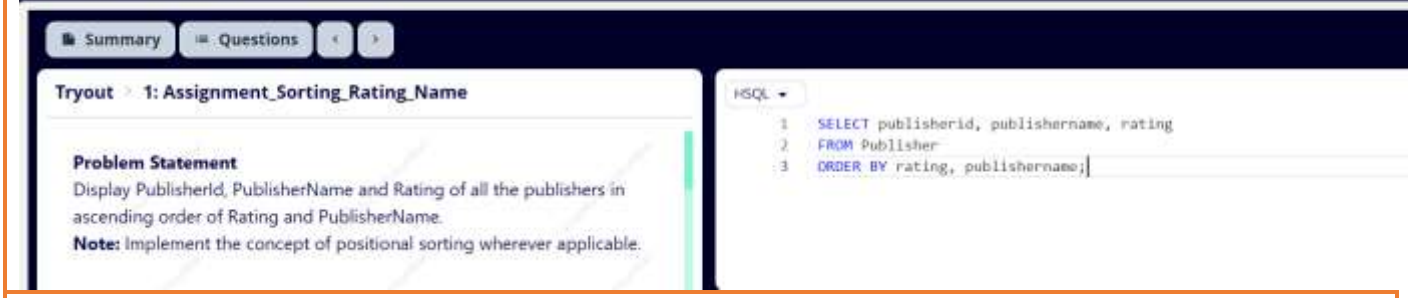

```
SELECT Journalname, monthlycharges,
    (CASE WHEN monthlycharges<75 THEN 'LowCost'
    WHEN monthlycharges<100 THEN 'AverageCost'
    ELSE 'HighCost'
    END)AS journalcategory
    FROM Journal;
```

ORDER BY


```
SELECT productid, Pcategory, brand
FROM product
WHERE Pcategory IN ('Clothing','Accessories')
ORDER BY Pcategory, review;
```


```
SELECT productid, pcategory, brand, color
FROM Product
ORDER BY pcategory DESC,color;
```

Assignment_Sorting_Rating_Name



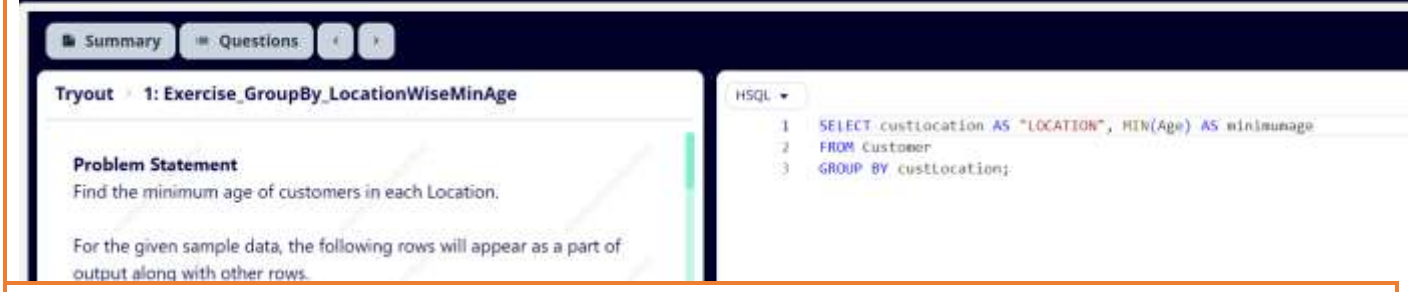

```sql
SELECT publisherid, publishername, rating
FROM Publisher
ORDER BY rating, publishername;
```

Assignment_Sorting_Duration_StartDate


```sql
SELECT subscriptionid,durationinmonths,discountpercent
FROM Subscription
WHERE durationinmonths > 6
ORDER BY durationinmonths,startdate DESC;
```

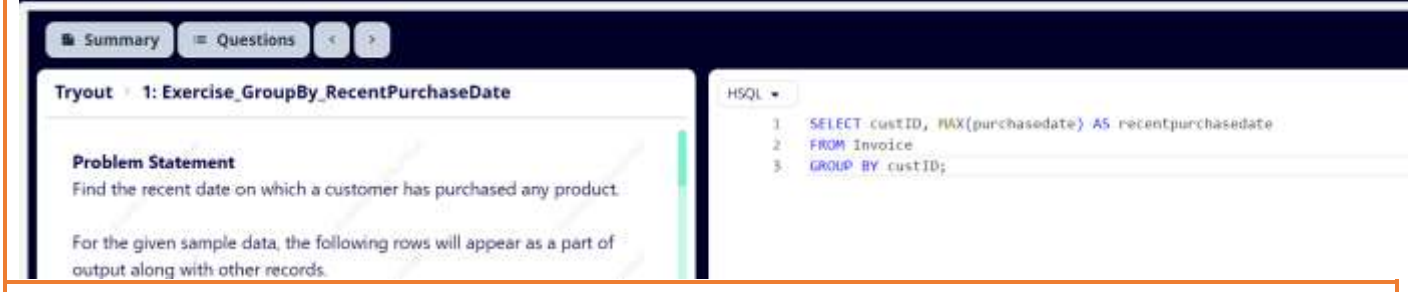
GROUP BY HAVING

Exercise_GroupBy_LocationWiseMinAge




```sql
SELECT custLocation AS "LOCATION", MIN(Age) AS minimumage
FROM Customer
GROUP BY custLocation;
```

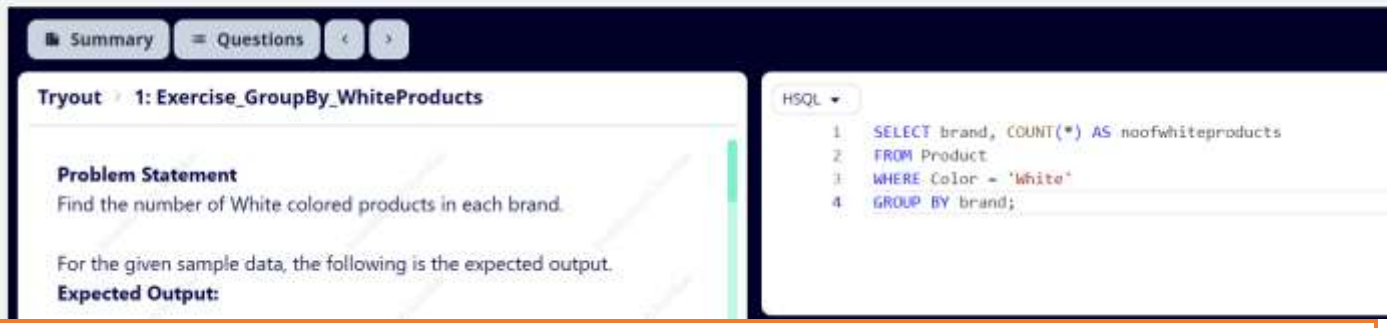
Exercise_GroupBy_RecentPurchaseDate




```sql
SELECT custID, MAX(purchasedate) AS recentpurchasedate
FROM Invoice
```

```
GROUP BY custID;
```

Exercise_GroupBy_WhiteProducts




```
SELECT brand, COUNT(*) AS noofwhiteproducts
FROM Product
WHERE Color = 'White'
GROUP BY brand;
```

Exercise_GroupBy_RecentPurchaseDateProductWise


```
SELECT custId, Productid, MAX(purchasedate) AS recentpurchasedate
FROM Invoice
GROUP BY custId,Productid;
```

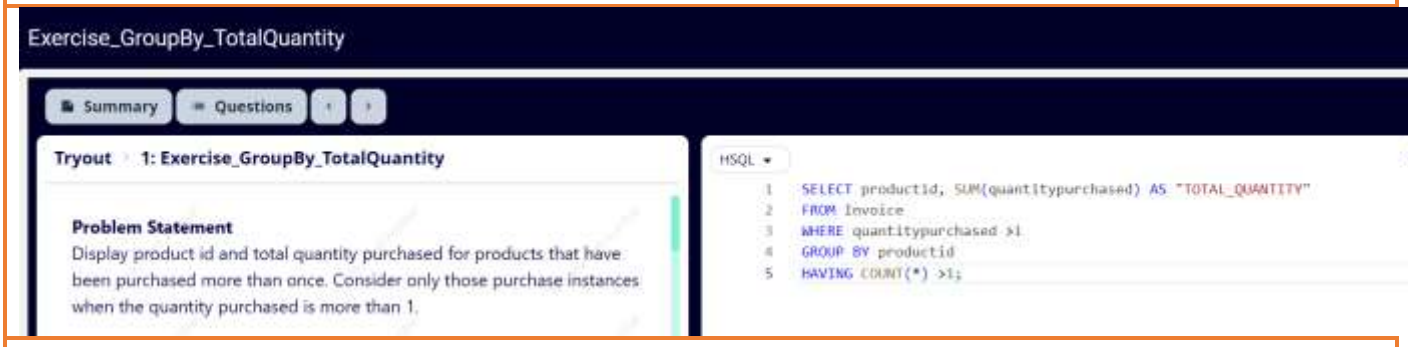
Exercise_GroupBy_LocationWiseMinAgeOfEachGender


```
SELECT custlocation AS "LOCATION", Gender, MIN(AGE) AS minimumage
FROM Customer
GROUP BY custlocation,Gender
ORDER BY custlocation,Gender;
```


```sql
SELECT custlocation AS "LOCATION", MIN(age) AS minimumage
FROM Customer
GROUP BY custlocation
HAVING MIN(age) >=30;
```


```sql
SELECT custid,vendorid,productid, COUNT(*) AS noofpurchases
FROM Invoice
GROUP BY custid,vendorid,productid
HAVING COUNT(*) > 1;
```

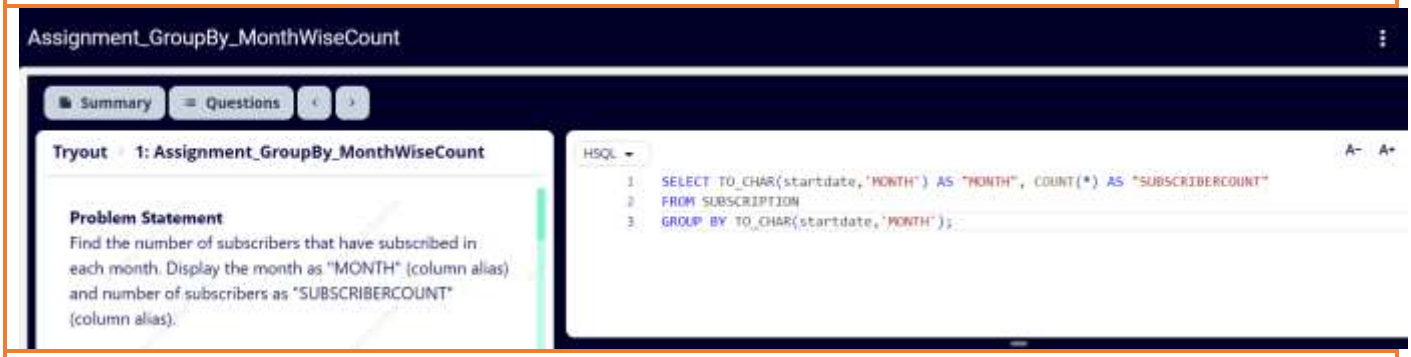

```sql
SELECT TO_CHAR(Purchasedate,'MON') AS "MONTH", COUNT(*) AS "NUMBER_OF_PURCHASES"
FROM Invoice
GROUP BY TO_CHAR(Purchasedate,'MON')
ORDER BY NUMBER_OF_PURCHASES DESC;
```




```sql
SELECT productid, SUM(quantitypurchased) AS "TOTAL_QUANTITY"
FROM Invoice
WHERE quantitypurchased >1
```

```
GROUP BY productid
HAVING COUNT(*) >1;
```


```
SELECT review, COUNT(*) AS "NUMBER_OF_PRODUCTS"
FROM Product P
GROUP BY review;
```




```
SELECT TO_CHAR(startdate,'MONTH') AS "MONTH", COUNT(*) AS "SUBSCRIBERCOUNT"
FROM SUBSCRIPTION
GROUP BY TO_CHAR(startdate,'MONTH');
```


```
SELECT Customerid,discountpercent, AVG(durationinmonths) AS "AVG_DURATION"
FROM Subscription
WHERE durationinmonths >3
GROUP BY Customerid, discountpercent
HAVING COUNT(*) > 1;
```

Assignment_GroupBy_Having


```
SELECT pcategory
FROM Product
GROUP BY pcategory
HAVING COUNT(*)>1;
```

Assignment_GroupBy_GenreWiseAvgMonthlyCharges


```
SELECT Genre, AVG(monthlycharges) AS "AVG_CHARGES"
FROM Journal
GROUP BY Genre
HAVING AVG(monthlycharges)>100;
```

Assignment_GroupBy_FilterMonthWiseCount


```
SELECT TO_CHAR(startdate,'MON') AS "MONTH", COUNT(*) AS "TOTAL_SUBSCRIPTIONS"
FROM SUBSCRIPTION
WHERE durationinmonths >=6
GROUP BY TO_CHAR(startdate,'MON')
HAVING COUNT(*) >1;
```


```sql
SELECT journalid, AVG(discountpercent) AS "AVG_DIS"
FROM Subscription
WHERE startdate <'2023-11-01'
GROUP BY journalid;
```


```sql
SELECT genre, AVG(monthlycharges) AS "Average Charge"
FROM Journal
WHERE Genre <> 'Trade'
GROUP BY genre
HAVING AVG(monthlycharges)<100;
```


```sql
SELECT journalid, COUNT(*) AS "TOTALSUBSCRIPTIONS"
FROM Subscription
GROUP BY journalid;
```

Assignment_GroupBy_FilterAvgCharges

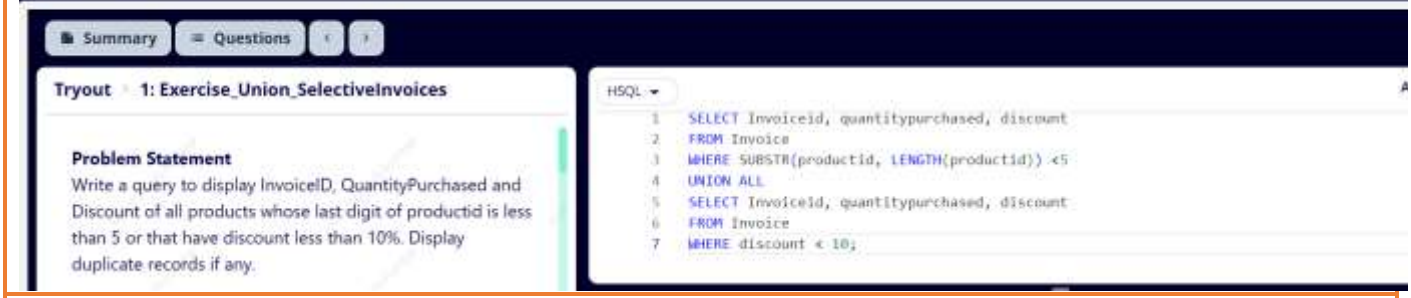

```sql
SELECT publisherid,AVG(monthlycharges) AS monthly_charges
FROM Journal
WHERE Genre IN ('Trade','Politics')
GROUP BY publisherid
HAVING AVG(monthlycharges) <110;
```

Assignment_GroupBy_StartDate


```sql
SELECT startdate, AVG(discountpercent) AS "AVG_DISCOUNT"
FROM Subscription
WHERE durationinmonths>=6 AND discountpercent >10
GROUP BY startdate;
```

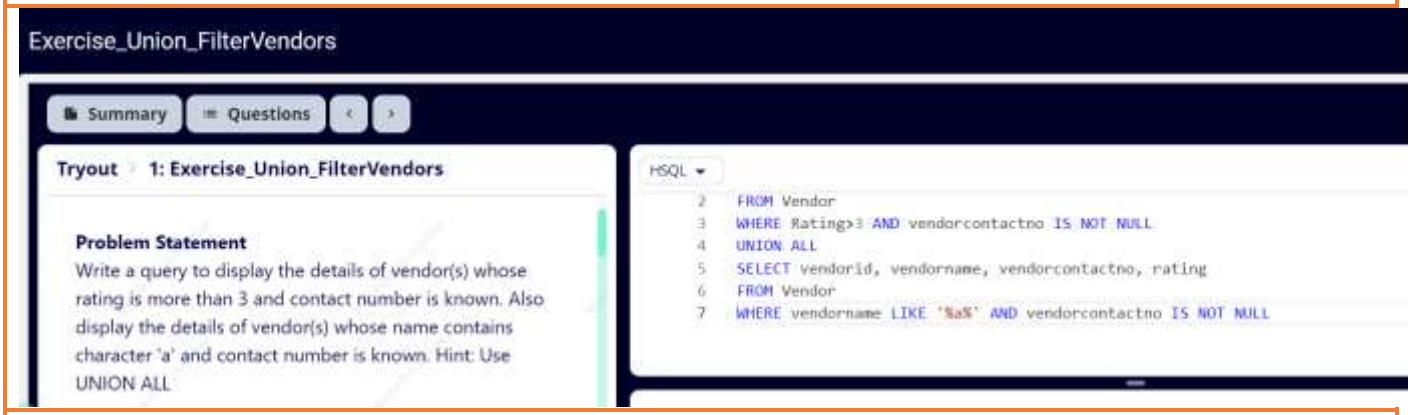
SET OPERATION

Exercise_Union_SelectiveInvoices




```sql
SELECT Invoiceid, quantitypurchased, discount
FROM Invoice
WHERE SUBSTR(productid, LENGTH(productid)) <5
UNION ALL
SELECT Invoiceid, quantitypurchased, discount
FROM Invoice
WHERE discount < 10;
```


```
SELECT Pname, brand
FROM product
WHERE Color NOT IN ('Brown','Yellow') UNION
SELECT Pname, brand
FROM product
WHERE Review <> 'Bad';
```




```
FROM Vendor
WHERE Rating>3 AND vendorcontactno IS NOT NULL
UNION ALL
SELECT vendorid, vendorname, vendorcontactno, rating
FROM Vendor
WHERE vendorname LIKE '%a%' AND vendorcontactno IS NOT NULL
```


```
SELECT publisherid
FROM publisher
EXCEPT
SELECT publisherid
FROM journal;
```

JOINS

Exercise_Join_Condition


```
SELECT custname, LOWER(email) AS email , invoiceid
FROM Customer C
INNER JOIN Invoice I ON C.custID = I.custID
WHERE discount > 12;
```

Exercise_Join_SelectiveCustomers


```
SELECT productid AS "Product Id", PName AS "Product Name", PCategory AS "Category"
FROM Product P
INNER JOIN Invoice I ON P.productid = I.productid
WHERE custID IN ('C101', 'C108');
```

Exercise_InnerJoin_SelectiveAgeGroup


```
SELECT custid AS "Customer ID", custname AS "Customer Name", productid AS "Product ID"
FROM Customer C
INNER JOIN Invoice I ON I.custid = C.custid
WHERE age > 35 ;
```

Exercise_Join_ConditionOnMonth

```sql
SELECT Custid, custname
FROM Customer C
INNER JOIN Invoice I ON I.Custid = C.Custid
WHERE MONTH(purchasedate) = 08
GROUP BY Custid,custname;
```

Exercise_Join_CategoryWiseCount


```sql
SELECT pcategory, COUNT(*) AS "NUMBER_OF_PRODUCTS"
FROM Product P
INNER JOIN Invoice I ON I.productid = P.productid
GROUP BY pcategory;
```

Exercise_Join_SelectiveColorProducts


```sql
SELECT Vendorid, Pname, color, FLOOR(price) AS baseprice
FROM Vendoroffering V
INNER JOIN Product P ON P.productid = V.productid
WHERE color IN ('White', 'Blue');
```

Exercise_Join_CategoryWiseSelectiveCount

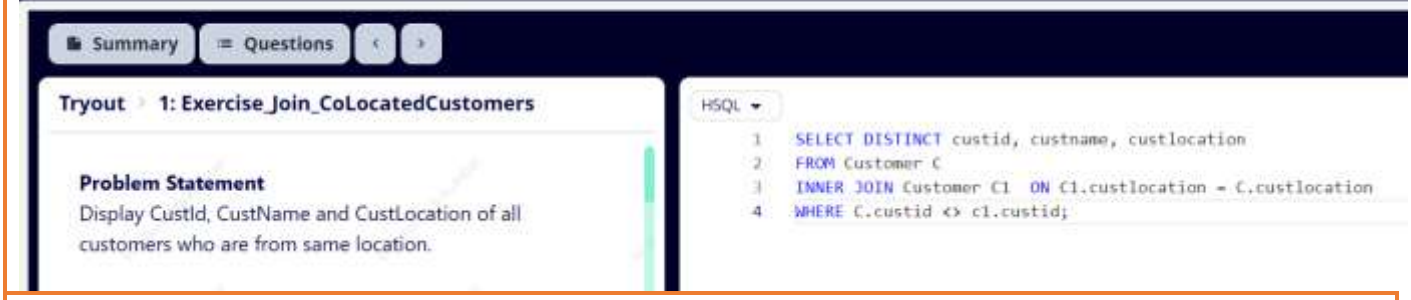

```sql
SELECT pcategory as "Category", COUNT(*) AS "Total Products"
FROM Product P
INNER JOIN Invoice I ON I.Productid = P.Productid
WHERE review = 'Good' AND Quantitypurchased > 8
GROUP BY pcategory;
```


```
SELECT Vendorname, productid, price
FROM Vendoroffering Vo
INNER JOIN Vendor V ON V.vendorid = Vo.vendorid
WHERE LENGTH(Vendorname) > 15 AND price > 1000;
```


```
SELECT custid, invoiceid,round(price * quantitypurchased)AS "MRP",
  round((price*quantitypurchased *( 1 - discount/100)),0) AS "FINAL_PRICE"
FROM Vendoroffering VO
INNER JOIN Invoice I ON VO.vendorid = I.vendorid AND VO.productid = I.productid
WHERE quantitypurchased >2;
```


```
SELECT custlocation AS "LOCATION", brand, SUM(quantitypurchased) AS "PRODUCTSSOLD"
FROM Customer C
INNER JOIN Invoice I ON I.custId = C.custId
INNER JOIN Product P ON I.Productid = P.Productid
GROUP BY custlocation, brand
ORDER BY custlocation, brand;
```

Exercise_Join_CoLocatedCustomers




```sql
SELECT DISTINCT custid, custname, custlocation
FROM Customer C
INNER JOIN Customer C1  ON C1.custlocation = C.custlocation
WHERE C.custid <> c1.custid;
```

Exercise_Join_FilterProducts


```sql
SELECT DISTINCT Pname, pcategory, review
FROM product P
INNER JOIN product P1 ON P.pcategory = P1.pcategory AND P.review = P1.review
WHERE P.Pname <> P1.Pname AND review <> 'Bad';

--------------- OR ------------------

SELECT Pname, pcategory, review
FROM product P
INNER JOIN product P1 ON P.pcategory = P1.pcategory AND P.review = P1.review
WHERE review <> 'Bad'
GROUP BY Pname, pcategory, review
HAVING COUNT(*) >1;
```

Exercise_Join_LoyalCustomers

```sql
SELECT custid, vendorid, productid
FROM Invoice I
INNER jOIN Invoice I1 ON I1.vendorid = I.vendorid
AND I1.productid = I.productid AND I1.custid = I.custid
GROUP BY custid, vendorid, productid
HAVING COUNT(*) >1;
```

OUTER JONTS


```sql
SELECT CUSTNAME,PRODUCTID
FROM Customer c
LEFT JOIN
Invoice I
on c.custId = i.custId
GROUP BY CUSTNAME,PRODUCTID;
```


```sql
SELECT VENDORNAME,PNAME
FROM (Vendor V
left join
VendorOffering VO
ON V.vendorid = VO.vendorid) Va
left JOIN
Product P
ON Va.productId = P.productId;
```


```sql
SELECT productId, nvl(InvoiceId, 'NOT YET SOLD') AS "INVOICEID"
FROM Product P
left join
Invoice I
ON P.productId = I.productId
WHERE P.Pcategory = 'Clothing';
```


```sql
SELECT ProductId, NVL(InvoiceId, 'NOT YET SOLD') AS "INVOICEID"
FROM Product P
left join
Invoice I
ON P.ProductId = I.ProductId and p.pcategory = 'Clothing';
```


```sql
SELECT productid, NVL(invoiceId, 'Not sold since Sept,23') AS "INVOICEID"
FROM Product P
LEFT JOIN
Invoice I
ON P.productid = I.productid and  I.PURCHASEDATE > TO_DATE('31-08-2023','DD-MM-YYYY');
```


```
SELECT customerId, CustomerName
FROM Customer C
INNER JOIN
Subscription S
ON C.customerId = S.customerId and (customertype  = 'Regular' or customertype  = 'Prime')
GROUP BY customerId, CustomerName;
```


```
SELECT journalid, publishername
FROM Publisher P
INNER JOIN
Journal J
ON P.publisherid = J.publisherid
WHERE contactno IS NOT NULL;
```


```
select customerid, customername, count(*) AS "SUBSCRIPTIONCOUNT"
FROM Customer C
INNER JOIN
Subscription S
ON C.customerid = S.customerid
group by customerid, customername
having count(*) >1;
```


```sql
SELECT Customername, journalname, startdate, Durationinmonths
FROM Subscription S
INNER JOIN
Customer C
ON S.CustomerId = C.customerId
LEFT JOIN
Journal J
ON S.JournalId = J.journalId
WHERE startdate <= TO_DATE('01-11-2023', 'DD-MM-YYYY');
```


```sql
SELECT JOURNALNAME, GENRE
FROM Journal J
INNER JOIN
Subscription S
ON J.JournalId = S.JournalId
WHERE S.Discountpercent >10;
```


```sql
SELECT publishername, Genre, Rating
FROM Publisher P
INNER JOIN
Journal J
ON P.publisherId = J.publisherId
Inner join
(select genre from Journal group by genre having count(*)>1) A
On J.Genre = A.Genre
group by publishername, Genre, Rating
```

```
Order by publishername,Genre;
```


```
select p.publishername as "PublisherName", count(Distinct s.customerid) AS
"NoOfUniqueSubscribers"
from publisher p
join journal j on p.publisherid = j.publisherid
join subscription s on s.journalid = j.journalid
group by p.publishername
having count(Distinct s.customerid) >=3;
```


```
SELECT publishername, sum((monthlycharges * durationinmonths) * (1-discountpercent/100))
AS "TOTALREVENUE"
from publisher P
join Journal J ON P.PublisherId = J.PublisherId
join subscription S ON S.journalId = J.journalId
group by publishername
ORDER BY TOTALREVENUE DESC;
```


```
select publishername, count(*) as "NO_SUBSCRIPTION"
FROM Publisher P
JOIN Journal J ON P.publisherId = J.publisherId
JOIN Subscription S ON J.journalId = S.journalId
group by publishername
having count(S.journalId)>=3;
```


```sql
SELECT customername, journalname
From Customer C
join Subscription S ON C.customerid = S.customerID
join Journal J ON J.journalid = S.journalid
where C.state = 'Illinois' and J.genre = 'Trade';
```


```sql
SELECT journalid, journalname, Genre, PublisherId
From Journal J
Inner join
(SELECT Genre,PublisherId from Journal group by Genre,PublisherId having count(*)>=2) A
ON J.Genre = A.Genre and J.PublisherId = A.PublisherId;
```


```sql
SELECT publishername, NVL(genre,'NOT PUBLISHED') AS "GENRE", count(S.JOurnalid) as
"SUBSCRIBERCOUNT"
FROM Publisher P
LEFT JOIN JOurnal J ON P.publisherId = J.publisherId
LEFT JOIN Subscription S ON S.JOurnalid = J.JOurnalid
GROUP BY publishername,GENRE;
```


```sql
SELECT publishername, contactno, NVL(journalname, 'NO JOURNAL') AS "JOURNALNAME"
FROM Publisher P
LEFT JOIN Journal J ON J.publisherid = P.publisherid
```


```sql
SELECT Publisherid, Nvl(journalName, 'Yet To Publish') AS "JOURNALPUBLISHED"
FROM Publisher P
LEFT JOIN Journal J ON J.publisherId = P.publisherId;
```

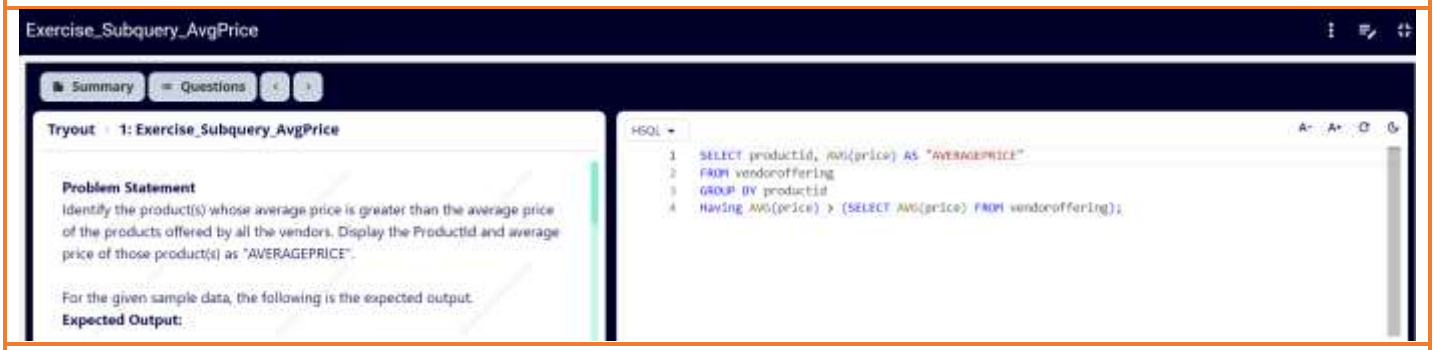

```sql
SELECT Publishername, journalName
FROM Publisher P
LEFT JOIN Journal J ON J.publisherId = P.publisherID and J.genre = 'Academics'
where P.rating >=4;
```

SUBQUERY


```sql
SELECT MAX(A.AVG_DISC) AS "MAX_DISCOUNT"
FROM (SELECT productid,AVG(discount) AS "AVG_DISC" FROM Invoice GROUP BY productid) A
```


```sql
SELECT MAX(A.noOfpurchases) AS "MAX_PURCHASES"
FROM (SELECT custId, count(*) AS noOfpurchases FROM INVOICE GROUP BY custId) A;
```


```sql
SELECT INVOICEID, PURCHASEDATE
FROM INVOICE
WHERE Purchasedate = (SELECT MAX(Purchasedate) FROM invoice)
```



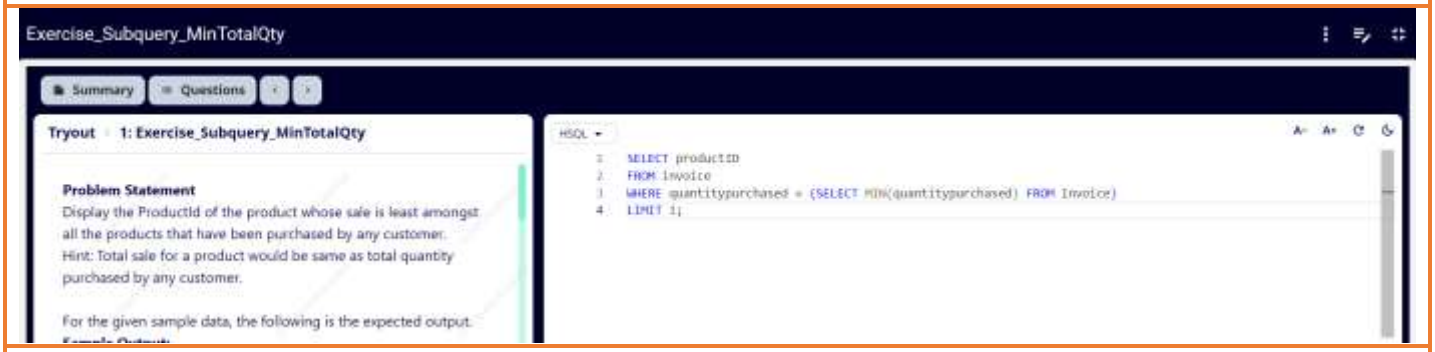

```sql
SELECT productid, AVG(price) AS "AVERAGEPRICE"
FROM vendoroffering
GROUP BY productid
Having AVG(price) > (SELECT AVG(price) FROM vendoroffering);
```


```sql
SELECT productId
FROM Invoice
Group by productid
having AVG(discount) > (SELECT avg(discount) from invoice where productid = 'P101');
```

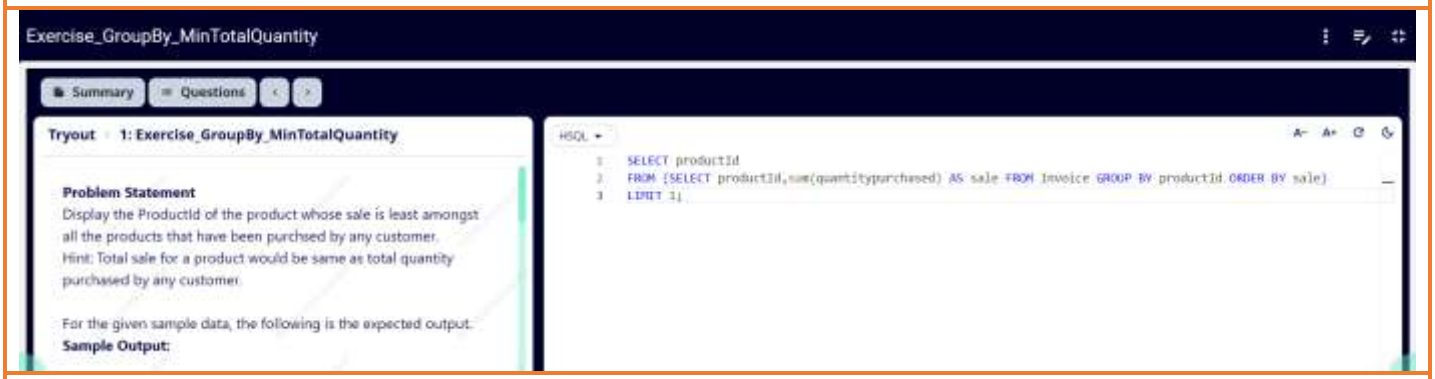

```
-- SELECT custname
-- FROM Customer C
-- INNER JOIN Invoice I ON C.custID = I.custID
-- group by custname
-- having COUNT(*)>=2;

-- OR --

SELECT custname
FROM Customer C
WHERE C.custID IN (SELECT I.custID FROM Invoice I GROUP BY I.custID HAVING COUNT(*)>=2);
```




```
SELECT productID
FROM invoice
WHERE quantitypurchased = (SELECT MIN(quantitypurchased) FROM Invoice)
LIMIT 1;
```




```
SELECT productId
FROM (SELECT productId,sum(quantitypurchased) AS sale FROM Invoice GROUP BY productId
ORDER BY sale)
LIMIT 1;
```


```
SELECT P.productID,P.Pname
FROM Product P
INNER JOIN
(SELECT productid,sum(quantitypurchased) AS su FROM Invoice GROUP BY productID ORDER BY su
LIMIT 1 ) A
ON P.productID = A.productID;
```


```
SELECT productid, vendorId, price
FROM VendorOffering
WHERE (productid,price) IN (SELECT productid, MIN(price) FROM VendorOffering GROUP BY
productid);
```


```
SELECT vendorid, productid, price
FROM Vendoroffering
ORDER BY Price DESC
LIMIT 1 OFFSET 2;
```


```sql
SELECT custId,custName, max(discount) as "HIGHESTDISCOUNT"
FROM Invoice I
Join Customer C ON I.custId = C.custId where C.custlocation = 'Yonkers'
group by custId,custName;
```

SUBQUERYS

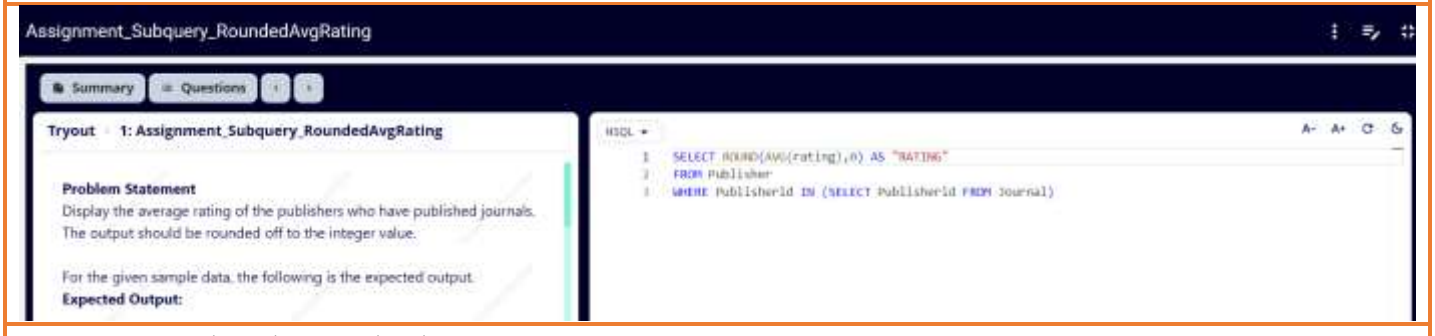

```sql
SELECT vendorname
FROM Vendor
WHERE vendorid IN (SELECT Vendorid FROM Invoice) AND Rating IS NOT NULL
```


```sql
SELECT productid, pCategory, Brand
FROM Product
WHERE Productid NOT IN (SELECT productid FROM Invoice);
```


```
SELECT Vendorname
FROM Vendor
Where vendorid IN
(SELECT vendorid FROM Invoice WHERE purchasedate < To_DATE('01-07-2023','DD-MM-YYYY'))
```


```
SELECT journalid, journalname, genre
FROM Journal
WHERE journalid IN (SELECT journalid FROM Subscription);
```


```
SELECT journalName, Genre
FROM Journal
WHERE JournalId In (SELECT JournalId FROM Subscription);
```




```
SELECT ROUND(AVG(rating),0) AS "RATING"
FROM Publisher
WHERE Publisherid IN (SELECT Publisherid FROM Journal)
```

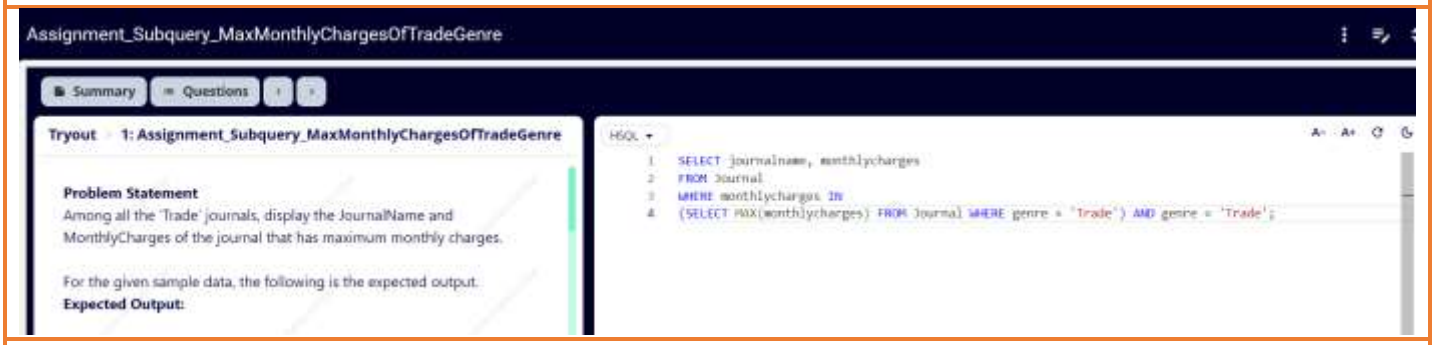

```
SELECT Customerid, customername, C.state
FROM Customer C
WHERE C.state IN
(SELECT C1.state FROM Customer C1 WHERE customername = 'Robert')
AND customername <> 'Robert'
```


```
SELECT Customerid, customername
FROM customer
WHERE Customerid IN (SELECT Customerid FROM subscription GROUP BY Customerid HAVING
COUNT(*)>1);
```


```
SELECT publisherid, publishername
FROM publisher P
INNER JOIN Journal J ON P.publisherid = J.publisherid
WHERE monthlycharges = (SELECT MIN(monthlycharges) FROM Journal);
```


```
SELECT publisherid, publishername
FROM publisher P
```

```
INNER JOIN Journal J ON P.publisherid = J.publisherid
WHERE monthlycharges = (SELECT MIN(monthlycharges) FROM Journal WHERE Genre = 'Trade');
```




```
SELECT journalname, monthlycharges
FROM Journal
WHERE monthlycharges IN
(SELECT MAX(monthlycharges) FROM Journal WHERE genre = 'Trade') AND genre = 'Trade';
```


```
SELECT C.state, city, customername
FROM Customer C
WHERE C.state IN (SELECT C1.state FROM Customer C1 GROUP BY C1.state HAVING COUNT(*)>1)
ORDER BY C.state;
```


```
SELECT subscriptionid, journalid
FROM Subscription S1
WHERE discountpercent <=
(SELECT AVG(discountpercent) FROM Subscription S2 WHERE S1.journalid = S2.journalId)
```


```
SELECT customerid, customername, startdate
FROM Customer C
INNER JOIN Subscription S ON C.customerid = S.customerid
WHERE Discountpercent < (SELECT MAX(Discountpercent) FROM Subscription S1 WHERE
S.startdate = S1.startdate)
```


```
SELECT customername, C.state, durationinmonths
FROM CUSTOMER C
INNER JOIN Subscription S ON C.customerid = S.customerid
WHERE discountpercent >
(SELECT MIN(discountpercent) FROM Subscription S2 WHERE C.customerid = S2.customerid)
```


```
SELECT customerid, customername
FROM Customer C
WHERE NOT EXISTS (SELECT customerid FROM Subscription S WHERE C.customerid = S.customerid)
```


```sql
SELECT DISTINCT customername, discountpercent
FROM Customer C
INNER JOIN Subscription S ON  C.customerid = S.customerid
WHERE discountpercent <
(SELECT MAX(discountpercent) FROM Subscription S1
WHERE S.journalId = S1.journalId AND S.customerid <> S1.customerid)
```


```sql
SELECT journalid, journalname, genre, monthlycharges
FROM Journal
WHERE (genre,monthlycharges) IN
(SELECT genre,MAX(monthlycharges) FROM Journal GROUP BY genre);
```