

**Question 4:**

Identify the details of products offered by either 'Samsung' or 'Philips', whose servicing have been completed.

For the given sample data, the following records will appear in the output along with other records. [2 Marks]

**Sample Output:**

PRODUCTID	VENDORNAME	SERVICEID
P104	Philips	S101
P107	Samsung	S104

**Business Scenario**

A retail outlet "EverydayShop" sells products to its customers. The outlet also offers servicing on sold products. To manage the details of customers, products and services, following database schema is used.

**Click to see table structure and data:**

- Product (This table provides the details of all the products)

HSQL ▾

```

1 ↴ SELECT
2   P.PRODUCTID,
3   P.VENDORNAME,
4   S.SERVICEID
5 ↴ FROM
6   PRODUCT P
7   INNER JOIN SERVICE S ON P.PRODUCTID = S.PRODUCTID
8 ↴ WHERE P.VENDORNAME IN ('Samsung', 'Philips')
9   AND S.STATUS = 'Completed';
10

```

Result

No results to display

Toggle Console ▾

Execute

**Question 1:**

Display product name and vendor name separated by 'By' along with price as shown in sample output for the vendors whose name starts with 'P'.

For the given sample data, the following is the expected output. [2 Marks]

**Sample Output:**

PRODUCT	PRICE
Induction Cooktop By Prestige	3200
Ceiling fan By Prestige	1500
Induction Cooktop By Philips	1200

**Business Scenario**

A retail outlet "EveryDayShop" sells products to its customers. The outlet also offers servicing on sold products. To manage the details of customers, products and services, following database schema is used.

[Click to see table structure and data:](#)

HSQL ▾

```
1 SELECT
2   CONCAT(CONCAT(PRODUCTNAME, ' By '), VENDORNAME) AS "PRODUCT",
3   PRICE
4   FROM
5   PRODUCT
6   WHERE
7   SUBSTR(VENDORNAME,1,1) = 'P';
```

Result

## Output

PRODUCT	PRICE
Ceiling fan By Prestige	1500
Induction Cooktop By Philips	1200
Induction Cooktop By Prestige	3200

## Expected Output

PRODUCT	PRICE
Ceiling fan By Prestige	1500
Induction Cooktop By Philips	1200
Induction Cooktop By Prestige	3200

Toggle Console ▾

Execute

Submit

**Question 2:**

Identify the total number of customers of each type in 'Ameerpet' and 'Tarnaka' areas.

For the given sample data, the following is the expected output. [2 Marks]

**Sample Output:**

CUSTTYPE	CUSTOMERS
Occasional	2
Premium	2
Regular	1

**Business Scenario**

A retail outlet "EverydayShop" sells products to its customers. The outlet also offers servicing on sold products. To manage the details of customers, products and services, following database schema is used.

**Click to see table structure and data:**

- Product (This table provides the details of all the products)

HSQL ▾

```

1  SELECT
2    CUSTTYPE,
3    COUNT(CUSTID) AS "CUSTOMERS"
4  FROM
5    CUSTOMER
6  WHERE
7    AREA IN ('Ameerpet', 'Tarnaka')
8  GROUP BY
9    CUSTTYPE;

```

Result

Case 1

Passed Failed Timed Out

Execute

Submit

Toggle Console

## Mock - HSQL &gt; 4: Question 4

Table Data: Product

ProductID	ProductName	VendorName	Price
P101	Microwave oven	Kent	2500
P102	Induction Cooktop	Prestige	3200
P103	Ceiling fan	Prestige	1500
P104	Induction Cooktop	Philips	1200
P105	Refrigerator	Samsung	12500
P106	Water Purifier	Kent	6000
P107	Microwave oven	Samsung	15500

Table Structure: Customer

Column Name	Data Type and Size	Constraint
		PRIMARY

HSQL ▾

```

1  SELECT
2    | PRODUCTID,
3    | PRICE
4  FROM
5    | PRODUCT
6 WHERE
7   | PRICE > (
8     | SELECT
9       | MIN(PRICE)
10    | FROM
11      | PRODUCT
12    WHERE
13      | VENDORNAME = 'Prestige'
14

```

Result

Case 1

Success

Output

PRODUCTID	PRICE
P101	2500
P102	3200
P105	12500

Toggle Console

Execute

**Question 8:**

Identify the customer(s) who have brought same product for servicing, highest number of times.

For the given sample data, the following is the expected output. [3 Marks]

**Sample Output:**

CUSTID	CUSTNAME
C101	Usha

**Business Scenario**

A retail outlet "EverydayShop" sells products to its customers. The outlet also offers servicing on sold products. To manage the details of customers, products and services, following database schema is used.

**Click to see table structure and data:**

- Product (This table provides the details of all the products)
- Customer (This table provides the details of the customers)
- Service (This table provides the details of the products that have come for servicing)

**Table Structure: Product**

Column Name	Data Type and Size	Constraint	Description
			Unique Id

HSQL ▾

```

1  SELECT DISTINCT
2    MAX(S.CUSTID) AS "CUSTID",
3    C.CUSTNAME
4  FROM
5    CUSTOMER C
6    INNER JOIN SERVICE S ON S.CUSTID = C.CUSTID
7  WHERE
8    S.STATUS = 'Completed'
9  GROUP BY
10   CUSTNAME
11  HAVING
12   COUNT(C.CUSTID) >= 3

```

Result

Case 1

Passed Failed Timed Out

Toggle Console ▾

Execute

Sub

```

1  SELECT DISTINCT
2  | S.CUSTID,
3  | S.PRODUCTID
4  FROM
5  | SERVICE S
6  INNER JOIN SERVICE SE ON S.PRODUCTID = SE.PRODUCTID
7  WHERE
8  | S.SERVICECHARGES <> SE.SERVICECHARGES

```

**Question 6:**

Identify the details of service for which a customer has paid different service charges for same product.

For the given sample data, the following records will appear in the output along with other records. [3 Marks]

**Sample Output:**

CUSTID	PRODUCTID
C101	P107
C105	P103

**Business Scenario**

A retail outlet "EverydayShop" sells products to its customers. The outlet also offers servicing on sold products. To manage the details of customers, products and services, following database schema is used.

**Click to see table structure and data:**

- Product (This table provides the details of all the products)
- Customer (This table provides the details of the

**Result****Case 1****Success****Output**

CUSTID

PRODUCTID

C101

P107

C105

P103

**Exported Output**

Toggle Console ▾

Execute

St

**Question 5:**

For all the products whose price is atleast 3000, if it has been brought for service, display the product ids along with their service ids. Otherwise, display service id as 'No Service Availed'.

For the given sample data, the following records will appear in the output along with other records. [3 Marks]

**Sample Output:**

PRODUCTID	SERVICEID
P105	S102
P102	No Service Availed

**Business Scenario**

A retail outlet "EverydayShop" sells products to its customers. The outlet also offers servicing on sold products. To manage the details of customers, products and services, following database schema is used.

**Click to see table structure and data:**

- Product (This table provides the details of all the

HSQL ▾

```
1 SELECT
2     PRODUCTID,
3     NVL (SERVICEID, 'No Service Availed') AS "SERVICEID"
4 FROM
5     PRODUCT P
6     LEFT OUTER JOIN SERVICE S ON S.PRODUCTID = P.PRODUCTID
7 WHERE
8     P.PRICE >=3000
```

Result

Case 1

 Passed  Failed  Timed Out  Error

Toggle Console ▾

Execute

Submit

**Question 7:**

Identify the details of costliest product of each vendor along with their ServiceRequestDate.

For the given sample data, the following is the expected output. [3 Marks]

**Sample Output:**

PRODUCTID	PRODUCTNAME	VENDORNAME	SERVICEREQUESTDA
P104	Induction Cooktop	Philips	2024-09-05
P106	Water Purifier	Kent	2024-06-04
P107	Microwave oven	Samsung	2024-04-07
P107	Microwave oven	Samsung	2024-03-12
P107	Microwave oven	Samsung	2024-08-25

**Business Scenario**

A retail outlet "EverydayShop" sells products to its customers. The outlet also offers servicing on sold products. To manage the details of customers, products and services, following database schema is used.

[Click to see table structure and data:](#)

- This table provides the details of all the products.