1)

Code:

CREATE DATABASE sales;

USE sales;

CREATE TABLE purchase (

ord\_no INT,

purch\_amt DOUBLE,

ord\_date DATE,

customer\_id INT,

salesman\_id INT

);

INSERT INTO purchase (ord\_no,purch\_amt,ord\_date,customer\_id,salesman\_id)

VALUES

( 70001,150.5, "2012-10-05",3005,5002),

(70009,270.65, "2012-09-10",3001,5005),

(70002,65.26, "2012-10-05",3002,5001),

(70004,110.5, "2012-08-17",3009,5003),

(70007,948.5, "2012-09-10",3005,5002),

(70005,2400.6, "2012-07-27",3007,5001),

(70008, 5760, "2012-09-10",3002,5001),

(70010,1983.43,"2012-10-10",3004,5006),

(70003,2480.4, "2012-10-10",3009,5003),

(70012,250.45, "2012-06-27",3008,5002),

(70011,75.29, "2012-08-17",3003,5007),

(70013,3045.6, "2012-04-25",3002,5001)

;

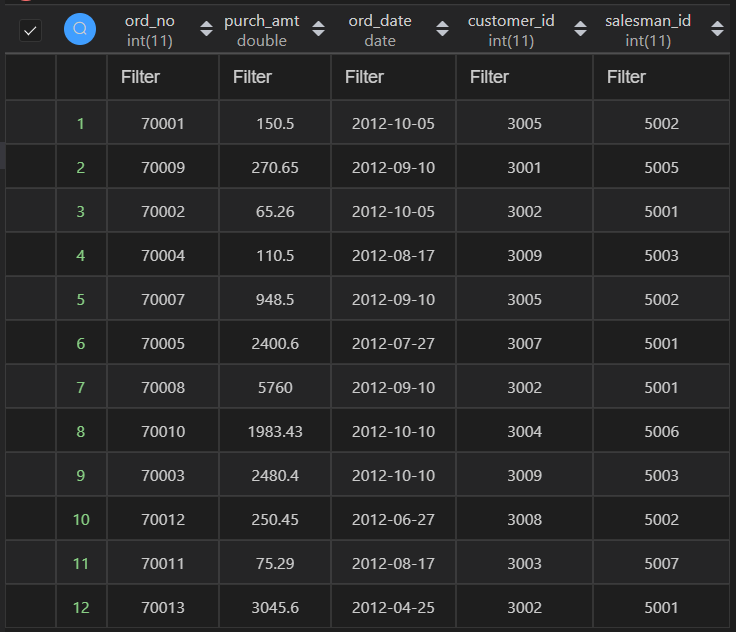
DELETE FROM purchase;

DROP TABLE purchase;

DROP DATABASE sales;

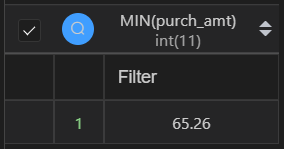
Tables:

* Purchases:

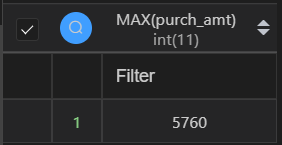


Queries/Outputs:

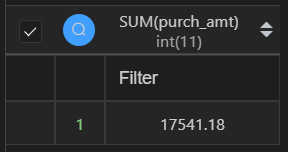
* SELECT MIN(purch\_amt) FROM purchase;



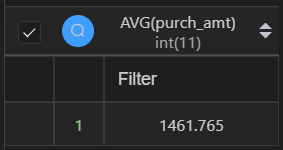
* SELECT MIN(purch\_amt) FROM purchase;



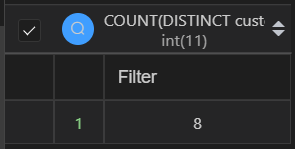
* SELECT MIN(purch\_amt) FROM purchase;



* SELECT AVG(purch\_amt) FROM purchase;



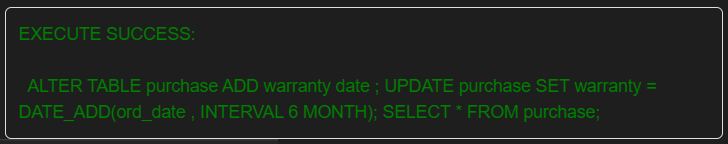
* SELECT COUNT(DISTINCT customer\_id) FROM purchase;

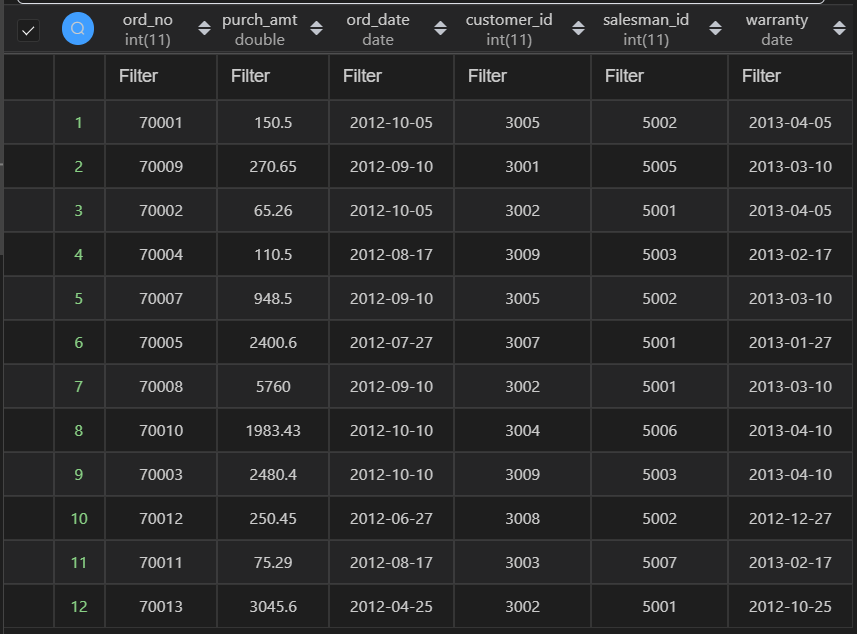


* ALTER TABLE purchase ADD warranty date ;

UPDATE purchase SET warranty = DATE\_ADD(ord\_date , INTERVAL 6 MONTH);

SELECT \* FROM purchase;

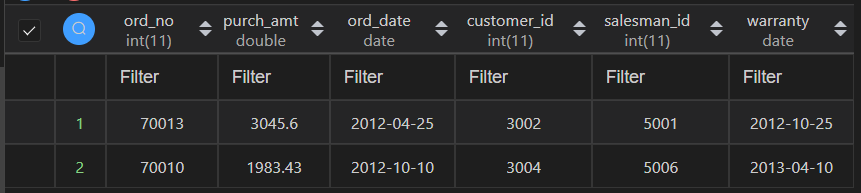




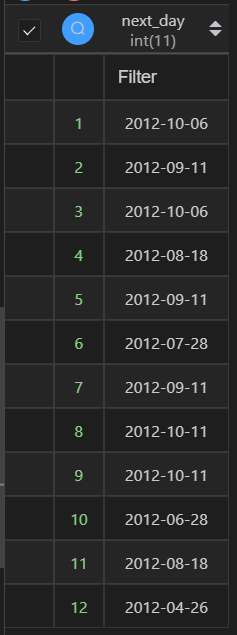
* (SELECT \* FROM purchase ORDER BY ord\_date ASC LIMIT 1)

UNION (SELECT \*FROM purchase ORDER BY ord\_date DESC LIMIT 1

;



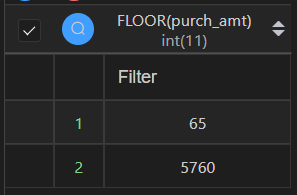
* SELECT DATE\_ADD(ord\_date, INTERVAL 1 DAY) AS NextDay FROM purchase ;



* (SELECT FLOOR(purch\_amt) FROM purchase ORDER BY purch\_amt ASC LIMIT 1)

UNION (SELECT CEIL(purch\_amt) FROM purchase ORDER BY purch\_amt DESC LIMIT 1)

;



* SELECT ROUND(purch\_amt, 1) FROM purchase;



2)

Code:

CREATE DATABASE Customer;

USE Customer;

CREATE TABLE CustInfo (

CustId VARCHAR(5) PRIMARY KEY,

CustName VARCHAR(25),

CustAdd VARCHAR(50),

Phone BIGINT(10),

Email VARCHAR(25),

CHECK (CustId like "C%"),

CHECK (Email like "%@%")

);

INSERT INTO CustInfo

VALUES

("C0001", "AmitSaha", "L-10, Pitampura", 4564587852, "amitsaha2@gmail.com"),

("C0002", "Rehnuma", "J-12, SAKET", 5527688761, "rehnuma@hotmail.com"),

("C0003", "CharviNayyar", "10/9, FF, Rohini", 6811635425, "charvi123@yahoo.com"),

("C0004", "Gurpreet", "A-10/2, SF, MayurVihar", 3511056125, "gur\_singh@yahoo.com")

;

DELETE FROM CustInfo;

DROP TABLE CustInfo;

DROP DATABASE Customer;

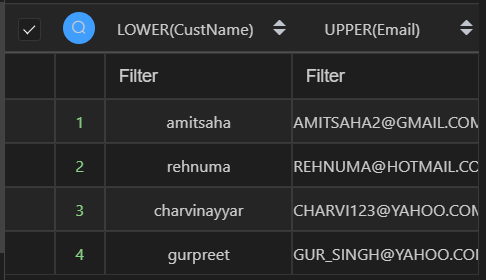
Tables:

* Customer info

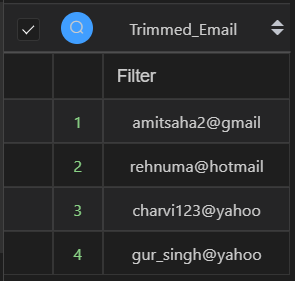


Queries/Outputs:

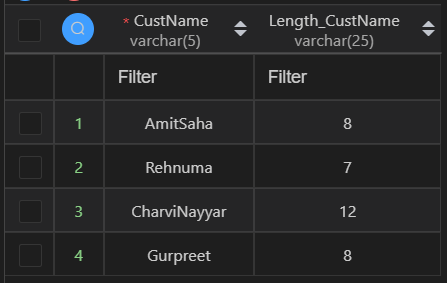
* SELECT LOWER(CustName), UPPER(Email) FROM CustInfo;



* SELECT TRIM(TRAILING '.com' FROM Email) AS Trimmed\_Email FROM CustInfo;



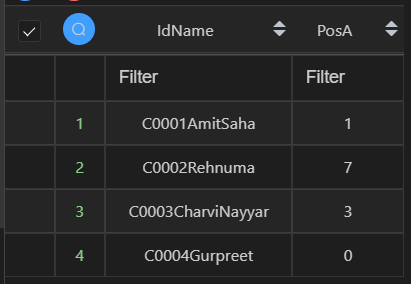
* SELECT CustName, LENGTH(CustName) AS Length\_CustName FROM CustInfo;



* SELECT CONCAT(CustId, CustName) AS IdName,

POSITION('A' in CustName) AS PosA

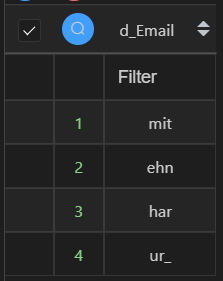
FROM CustInfo;



* SELECT \* FROM CustInfo WHERE CustName LIKE '%a';



* SELECT SUBSTR(Email, 2, 3) AS d\_Email FROM CustInfo;



* SELECT SUBSTRING(CustAdd, 1, 20) AS d\_CustAdd FROM CustInfo;

