/\*2. Write a query to select SQL basics\*/

USE sql\_basics;

/\*3. Write a query to create a product table with the fields product code, product name, price, stock, and category,

a customer table with the fields customer ID, customer name, customer location, and customer phone number, and

a sales table with the fields date, order number, product code, product name, quantity, and price.\*/

create database lep\_4;

CREATE TABLE lep\_4.product (

p\_code varchar(45) NOT NULL,

p\_name varchar(45) NOT NULL,

stock varchar(45) NOT NULL,

price INT NOT NULL,

category varchar(45) NOT NULL,

PRIMARY KEY(p\_code)

);

CREATE TABLE lep\_4.customer (

c\_id VARCHAR(45) NOT NULL,

c\_name varchar(45) NOT NULL,

c\_location varchar(45) NOT NULL,

c\_phoneno int NOT NULL,

PRIMARY KEY(c\_id)

);

CREATE TABLE lep\_4.sales (

order\_date DATE NOT NULL,

order\_no varchar(45) NOT NULL,

c\_id varchar(45) NOT NULL,

c\_name varchar(45) NOT NULL,

p\_code varchar(45) NOT NULL,

p\_name varchar(45) NOT NULL,

qty INT NOT NULL,

price INT NOT NULL,

PRIMARY KEY(order\_date));

/\*Write a query to insert values into the customer, product, and sales tables\*/

INSERT INTO lep\_4.customer(c\_id,c\_name,c\_location,c\_phoneno) VALUES

('9212','Jessica','banglore','1233435');

INSERT INTO lep\_4.sales(order\_date,order\_no,c\_id,c\_name,p\_code,p\_name,qty,price) VALUES

('2021-02-12','HM02','2123','Biyush','03','Pen','2','20');

INSERT INTO lep\_4.product(p\_code,p\_name,stock,price,category) VALUES

('07','shampoo','90','5','hair product');

/\*5. Write a query to add two new columns such as S\_no and categories to the sales table.

ALTER TABLE lep\_4.sales ADD (S\_no INT,categories varchar(45));

/\*Write a query to change the column type of stock in the product table to varchar.\*/

ALTER TABLE lep\_4.product MODIFY stock varchar(45);

/\*Write a query to change the table name from customer-to-customer details.\*/

ALTER TABLE lep\_4.customer RENAME TO lep\_4.customerdetails;

/\*Write a query to drop the columns S\_no and categories from the sales table.\*/

ALTER TABLE lep\_4.sales DROP COLUMN S\_no;

ALTER TABLE lep\_4.sales DROP COLUMN categories;

/\*Write a query to display order id, customer id, order date, price, and quantity from the sales table.\*/

SELECT order\_date,order\_no,c\_id,qty,price FROM lep\_4.sales;

/\*Write a query to display all the details in the product table if the category is stationary.\*/

SELECT \* FROM lep\_4.product WHERE category='Stationary';

/\*Write a query to display a unique category from the product table.\*/

SELECT DISTINCT(category) FROM lep\_4.product;

/\*Write a query to display the sales details if quantity is greater than 2 and price is lesser than 500 from the sales table.\*/

SELECT \* FROM lep\_4.sales WHERE qty>2 AND price < 500;

/\*Write a query to display the customer’s name if the name ends with a.\*/

SELECT c\_name FROM lep\_4.customerdetails WHERE c\_name LIKE '%a';

/\*Write a query to display the product details in descending order of the price.\*/

SELECT \* FROM lep\_4.product ORDER BY price DESC ;

/\*Write a query to display the product code and category from similar categories that are greater than or equal to 2.\*/

SELECT p\_code,category FROM lep\_4.product

WHERE category IN ( SELECT category FROM lep\_4.product

GROUP BY category HAVING COUNT(distinct p\_code) >= 2) ;

/\*Write a query to display the order number and the customer name to combine the results of the order and the customer tables including duplicate rows.\*/

SELECT order\_no,c\_name FROM lep\_4.sales LEFT JOIN lep\_4.product ON

sales.p\_code = product.p\_code

UNION ALL

SELECT order\_no,c\_name FROM lep\_4.sales RIGHT JOIN lep\_4.product ON

sales.p\_code = product.p\_code;