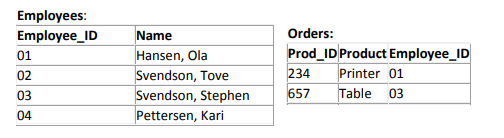
**PART 1 (50 points) :**

1. **Create the following tables**:



1. Write a SQL statement that rename the Product 'table'.

**UPDATE testdb.orders**

**SET Product = 'Table\_new'**

**WHERE (Orders\_ID = '657');**

1. Write a SQL statement that add a new Employee.

**INSERT INTO `testdb`.`employee`**

**( `Employeecol`)**

**VALUES ( 'Lala Lala');**

1. Write a SQL statement that show any Employee who bought products (any products).

**select \***

**from testdb.employee**

**where Employee\_ID in (SELECT Employee\_ID**

**FROM testdb.orders**

**group by Employee\_ID);**

1. Write a SQL statement that finds the name of employees who have a printer.

**SELECT employee.name**

**FROM testdb.orders**

**join testdb.employee**

**on orders.Product = 'Printer' and employee.Employee\_ID = orders.Employee\_ID;**

1. Write a SQL statement that finds anyone named “Svendson” and any products they own

**SELECT name, product**

**FROM testdb.employee**

**join testdb.orders**

**on name like '%Svendson%' and employee.Employee\_ID = orders.Employee\_ID;**

**PART 2:  northwind database (50 points)**

1. Write a query to get Product list (name, unit price) of ten most expensive products

SELECT ProductName,UnitPrice

FROM northwind.products

order by UnitPrice desc

limit 10;

1. From products, show product number, name and price for products which cost more

than Chocolade.

SELECT ProductID,ProductName,UnitPrice

FROM northwind.products

where UnitPrice > (select UnitPrice

FROM northwind.products

where ProductName = 'Chocolade') ;

1. Show order number, date and ship address and customer code, name and phone for orders made in 1996 and customer code starting with A or C.

SELECT OrderID ,OrderDate ,ShipAddress ,customers.CustomerID ,customers.companyname ,customers.Phone

FROM northwind.orders

join customers

on (year(orderdate) = 1996)

and ( customers.CustomerID like 'a%' or customers.CustomerID like 'c%' ) ;

1. Show product name and quantity for products having less quantity than the minimum quantity of category #5.

select ProductName,QuantityPerUnit

FROM northwind.products

where QuantityPerUnit < (SELECT min(QuantityPerUnit)

FROM northwind.products

where CategoryID = 5 );

1. Show all product details which in the same category as Chai. Don’t show Chai itself.

SELECT \*

FROM northwind.products

where CategoryID = (select CategoryID from northwind.products where productname ='Chai') and not ProductName = 'Chai' ;

1. Show product name and price for products with the same price as in category #5.

SELECT ProductName,UnitPrice

FROM northwind.products

where UnitPrice in ( SELECT UnitPrice

FROM northwind.products

where CategoryID = 5);

1. Show product name and price for products which cost more than at least 1 product in category #5.

SELECT ProductName,UnitPrice

FROM northwind.products

where UnitPrice > ( SELECT min(UnitPrice)

FROM northwind.products

where CategoryID = 5);

1. Show product name and price for products which cost more than all the products in category #5.

SELECT ProductName,UnitPrice

FROM northwind.products

where UnitPrice > ( SELECT max(UnitPrice)

FROM northwind.products

where CategoryID = 5);

1. Show order numbers and dates for all orders which their customers are from Franch, Germany or Sweden and order date was in 1997.

SELECT OrderID ,OrderDate,Country

FROM northwind.orders

join northwind.customers

on Country in ('France','Germany','Sweden')

and year(OrderDate)= 1997;

1. Show product names and code. Include the products which cost more than the average price of those having more than 50 units in stock.

SELECT ProductName,ProductID,UnitsInStock,UnitPrice

FROM northwind.products

where UnitPrice > (select avg(unitprice)

FROM northwind.products where UnitsInStock >50);

בהצלחה **☺**