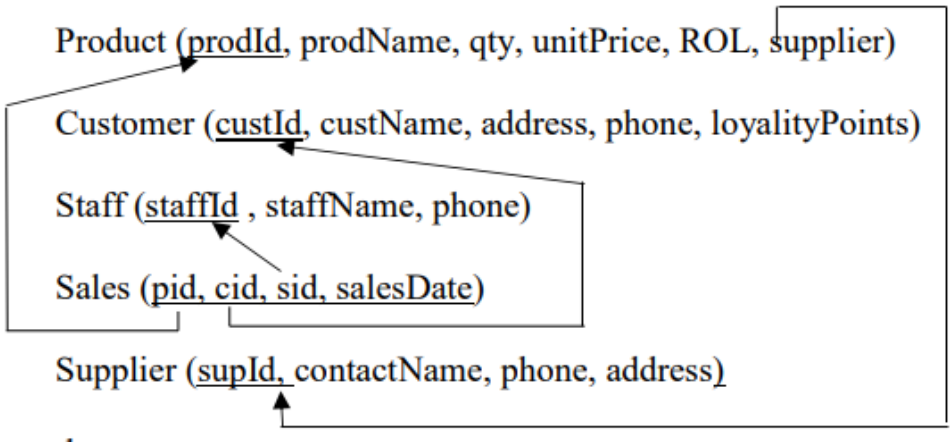
Tutorial – SQL

Submit your answers with screenshots during the lecture time.

Name: …… Student No: ……

Answer all the questions.

1. Implement the following relational schema for a super market in SQL Server.



Following data should be inserted to the tables.

Product

ProdId	prodName	qty	unitPrice	ROL	Supplier
P0001	Lemon Puff	22	85	20	1
P0201	Knor Soup	8	100	10	2
P0084	Lipton Ceylonta	12	125	15	2
P0222	chocolate fingers	14	50	8	1

Sales

pid	cid	sid	salesDate
P0201	C100	S001	13/11/2015
P0222	C101	S002	22/11/2015
P0084	C100	S001	01/12/2015
P0201	C100	S002	08/12/2015

Customer

custId	custName	address	phone	Points
C100	Ravi Perera	Colombo	0112123456	1200
C101	Nimali Alwis	Gampaha	0332212345	275

Staff

staffId	*name*	*phone*
S001	*Kamal Silva*	*0718123456*
S002	*Amila Namal*	*0714222222*

Supplier

supId	contactName	address	phone
1	Amal Ranjith	Ratmalana	0112111111
2	Nadeeka Perera	Borella	0114555666

Write down the relevant mysql queries for the following questions.

a) Display all the details of Product, Sales, Customer, Staff and Supplier tables separately.

b) Display the product name with its unit price.

c) Find the name of the supplier and the address who supplies "Lemon Puff" product.

d) List all the name, id and the quantity of the products which are supplied by Nadeeka Perera.

e) Find the staff members whose name starts from A.

f) Find the product with highest unit price.

g) Find all the product details which purchased by Ravi Perera.

h) Find the staff member's name, customer name, address, product name and the quantity of the sale which is completed on 01/12/2015.

i) Sort the data of product table in descending order of the unit price. Then find the product name and the unit price which has the maximum price without using aggregation functions.

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