

Database Management System (DBMS)

Lab Assignment -1

Dt 14/01/2021

(Faculty: Dr. Ranjana Vyas)

Note: 1) All Assignments should be done independently.

2) The Assignments will be discussed after the due date so submission within the deadline is essential.

3) Practical file is compulsory for all students and must contain handwritten solutions of question given lab.

Save your tables and queries in ".sql" file and no need to create tables every time, most of the future assignments will be based on the following tables.

Q1. You have to create a database for general store information management system. Items can be described with a item number, item name, selling price, manufacturer name. The item can be sold to a particular customer where each customer will have a customer number, customer name, customer addresses, city, pin - code, state and total amount required to be paid. Each customer, order to a buy item from the salesman. In the order, it has sales order number, sales order date, customer number, salesman, billed payment by the party or not and its delivery date. The salesman have the name, addresses, city, pin code, state, salary of the sales man, delivery date, total quantity ordered, item rate. You have to create the four tables with the fields mentioned above along with the data given below for each table. Insert Values in the given tables.

Item table

item_id	item_name	Manu_name	item_rate	Sell_prize	item_discription
i001	lux_soap	lux_company	15.67	20.43	soap
i002	copy	royal_notebook	14.80	16.40	copy
i003	goodday_biscuit	britania_stores	2218.80	2220.40	biscuit
i004	reynolds_pen	pen_parker	2015.67	2120.43	pen
i005	sql_books	book_bpb	5104.80	5116.40	book
i006	tata_steel	tata_sons	5118.80	5120.40	tata
i007	seagate hdd	hp_world	5104.80	5116.40	HDD1034
i008	dvd writer	moserbear_org	5118.80	5120.40	DVDRW

Customer table

Cust_id	Cust_name	Address	City	Pin	State	Bal_due
cu01001	alak roy	b.d.para	Patna	800015	Bihar	0
cu01002	suman roy	puk para	patna	800132	Bihar	2390.9
cu01004	priya das	chora para	Gaya	800010	Bihar	1390.9
cu01005	rina raj	kamal para	patna	800001	Bihar	0
cu01006	pulak roy	bircity	lucknow	226012	uttar pradesh	110.9
cu01007	priyanka das	nappam	lucknow	226005	uttar pradesh	190.9
cu01008	kusum roy	Jhalwa	allahabad	211012	uttar pradesh	110.9
cu01009	mina das	naini	allahabad	211078	uttar pradesh	0
cu01003	nidhi mishra	naini	allahabad	212079	uttar pradesh	9990.9
cu01010	kamal yadav	naini	allahabad	211037	uttar pradesh	2990.9

cu01011	manali das	rajapur	allahabad	212098	uttar pradesh	3990.9
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Salesman table

Salesman_id	Salesman_name	Address	City	Pin	State	Salary
s001	rohan singh	rajapur	allhabad	212098	uttar pradesh	8000
s002	rohan singh	naini	allhabad	212096	uttar pradesh	9800
s003	smita roy	indira nagar	lucknow	226078	uttar pradesh	3400
s004	kabir bora	vikas nagar	lucknow	226045	uttar pradesh	6700
s005	neha singh	gomti nagar	lucknow	226032	uttar pradesh	9600
s006	priya agarwal	gandhi road	32 distric	799750	delhi	9900
s007	ashok paul	filmcity	munnaabari	799740	mumbai	8900

Sales_order_no	Sales_order_date	cust_id	Salesman_id	Bill_payby_party	Delivery_date	item_rate	Tot_quantity_order	Cancel_date
son01001	01-aug-2008	cu01001	s001	yes	20-aug-2008	2220.40	50	null
son01002	12-aug-2008	cu01004	s001	yes	23-aug-2008	2220.40	15	null
son01003	12-aug-2008	cu01005	s002	yes	26-aug-2008	2220.40	10	null
son01004	13-aug-2008	cu01004	s001	yes	20-aug-2008	2220.40	15	null
son01005	14-aug-2008	cu01002	s002	no	30-aug-2008	2220.40	52	28-march-2008
son01006	15-aug-2008	cu01001	s001	yes	31-aug-2008	2220.40	43	null
son01007	16-aug-2008	cu01003	s004	yes	28-aug-2008	2220.40	54	null
son01008	16-jan-2008	cu01004	s003	yes	02-aug-2008	2390.00	34	null
son01009	01-feb-2008	cu01004	s003	no	28-aug-2008	8220.40	54	18-march-2008

Sales order table.

Q2. Create the Following Tables.

Customer Table

Customer_name	Customer_street	Customer_city
Adams	Spring	Pittsfield
Brooks	Senator	Brooklyn
Curry	North	Rye
Glenn	Sand Hill	Woodside
Hayes	Main	Harrison
Green	Walnut	Stamford
Johnson	Alma	Palo Alto
Jones	Main	Harrison
Lindsay	Park	Pittsfield
Smith	North	Rye
Turner	Putnam	Stamford

Williams	Nassau	Princeton
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Loan Table

Loan_number	Branch_name	Amount
L-11	Round Hill	900
L-14	Downtown	1500
L-15	Perryridge	1500
L-16	Perryridge	1300
L-17	Downtown	1000
L-23	Redwood	2000
L-93	Mianus	500

Borrower Table

Customer_name	Loan_number
Adams	L-16
Curry	L-93
Hayes	L-15
Jackson	L-14
Jones	L-17
Smith	L-11
Smith	L-23
Williams	L-17

Account Table

Account_number	Branch_name	Balance
A-101	Downtown	500
A-215	Mianus	700
A-102	Perryridge	400
A-305	Round Hill	350
A-201	Brighton	900
A-222	Redwood	700
A-217	Brighton	750

Depositor Table

Customer_name	Account_number
Hayes	A-102
Johnson	A-101
Johnson	A-201
Jones	A-217
Lindsay	A-222
Smith	A-215
Turner	A-305