**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 |

**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 | munnabari | 799740 | mumbai | 8900 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sales\_order\_**  **no** | **Sales\_order \_date** | **cust\_id** | **Salesman\_ id** | **Bill\_payb y\_party** | **Delivery\_**  **date** | **item\_rat e** | **Tot\_qu**  **antity\_**  **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\_nam e** | **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 |

**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 |