**Assignment # 2**

**DBMS**

**Total Marks:** 10 **Date:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Submission Date:** 27-04-23

**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll No. \_\_\_\_\_\_\_\_\_\_\_Class: \_\_\_\_\_\_\_\_\_\_\_**

**Instructions:**

**I. Assignment should be hand written, MySQL WorkBench, and Must be A-4 Size Paper.**

**II. You should create your own solution according to your logic. Any similarity with other student and internet will be consider as cheating and your assignment will be marked as ZERO.**

**III. Attach this page as front page of your assignment solution.**

|  |  |  |  |
| --- | --- | --- | --- |
| **salesman\_id** | **name** | **city** | **commission** |
| 5001 | James Hoog | New York | 0.15 |
| 5002 | Nail Knite | Paris | 0.13 |
| 5005 | Pit Alex | London | 0.11 |
| 5006 | Mc Lyon | Paris | 0.14 |
| 5007 | Paul Adam | Rome | 0.13 |
| 5003 | Lauson Hen | San Jose | 0.12 |

**Table No1(Salesman\_info)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ord\_no** | **purch\_amt** | **ord\_date** | **customer\_id** | **salesman\_id** |
| 70001 | 150.5 | 2012-02-05 | 3005 | 5001 |
| 70002 | 270.65 | 2012-10-26 | 3002 | 5002 |
| 70003 | 65.26 | 2012-05-05 | 3004 | 5001 |
| 70004 | 110.5 | 2012-08-03 | 3002 | 5002 |
| 70005 | 948.5 | 2012-01-15 | 3003 | 5005 |
| 70006 | 2400.6 | 2012-12-23 | 3004 | 5006 |
| 70007 | 5760 | 2012-05-06 | 3003 | 5007 |
| 70008 | 1983.43 | 2012-11-05 | 3005 | 5005 |
| 70009 | 2480.4 | 2012-02-08 | 3003 | 5006 |
| 70010 | 250.45 | 2012-12-05 | 3002 | 5002 |
| 70011 | 75.29 | 2012-09-09 | 3003 | 5001 |
| 70012 | 3045.6 | 2012-09-10 | 3002 | 5002 |

**Table No 2 (Orders\_Info)**

**Q. No. 1(5)**: Write SQL queries to create two tables mentioned above. The two tables should be created by considering following constraints:

* In **salesman\_info** table salesman\_id is primary key and auto-incremented.
* In **salesman\_info** table commission column value should not be less than 0.10
* In **salesman\_info** table, city column should allow (San Jose, New York,Paris,Rome) to be inserted into it.
* In **Orders\_Info** table, salesman\_id is the foreign key referring to **salesman\_info(**salesman\_id**)** table.
* There should be a constraint such as when salesman\_id is updated in the **salesman\_info** table, **salesman\_id** in **Orders\_Info** is set to be null.
* There should be a constraint such as when salesman\_id is deleted in the **salesman\_info** table, **salesman\_id** in **Orders\_Info** is also deleted.
* In **Orders\_Info** table,ord\_no is the primary key.
* Consider data in the both tables and then add data types and constraints remaining columns, upon your own understanding.

**Q. No. 2(2)**: Write SQL queries to insert two tables’ data. The data for insert queries should be same it is mentioned in the above tables. Apart from this mention at least five insert queries also, that will result into an error.

**Q. No. 3(4)**:

**3.1:** Write a SQL query to display the order number followed by order date and the purchase amount for each order which will be delivered by the salesman who is holding the ID 5002 and sort it according to the order date in ascending order.

* 1. **:** Write a SQL statement to display all the information of orders having order number starts with digits 7000, the last digit is unknown.

**3.3:** Write a query which will retrieve the value of salesman names of all salesmen, getting orders from the customers in orders table without any repeats.