

**National University of Computer and Emerging Sciences**



# In Lab Exercise

## Database Systems

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FAST-NU, Lahore, Pakistan

# Database

For this in-lab exercise use the following **customer-salesman** schema.

1) Table Name: **salesman**

<b>salesman_id</b>	<b>name</b>	<b>city</b>	<b>commission</b>
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	San Jose	0.13
5003	Lauson Hen	San Jose	0.12

2) Table Name: **orders**

<b>ord_no</b>	<b>purch_amt</b>	<b>ord_date</b>	<b>customer_id</b>	<b>salesman_id</b>
70001	150.5	2012-10-05	3005	5006
70009	270.65	2011-09-10	3001	5005
70002	65.26	2014-10-05	3002	5001
70004	110.5	2011-08-17	3009	5003
70007	948.5	2012-09-10	3005	5006
70005	2400.6	2010-07-27	3007	5001
70008	5760	2013-09-10	3002	5001
70010	1983.43	2010-10-10	3004	5005
70003	2480.4	2013-10-10	3009	5003
70012	250.45	2010-06-27	3008	5002
70011	75.29	2014-08-17	3003	NULL
70013	3045.6	2010-04-25	3002	NULL

3) Table Name: **customers**

<b>customer_id</b>	<b>cust_name</b>	<b>city</b>	<b>grade</b>	<b>salesman_id</b>
3002	Nick Rimando	New York	100	5001
3007	John Brad Davis	New York	200	5001
3005	Graham Zusi	California	200	5002
3008	Julian Green	London	300	5002
3004	Fabian Johnson	Paris	300	5006
3009	Geoff Cameron	Berlin	100	5003
3003	Jozy Altidor	Moscow	200	5007
3001	John Brad Guzan	London	Null	5005

## **Exercise**

1. Write a query to update the commission of all salesmen in Paris to 0.18.
2. Delete all orders placed before the year 2010.
3. Insert a new customer into the customers table with a grade of 150.
4. Alter the salesman table to add a new column for email.
5. Drop the orders table entirely from the database.
6. Create a new table audit\_log to store changes in the customers table.