

Assignment # 4

1. Create a Database if not exists with name StudentName_DB
 - Ex: Afzal_DB
 - If already created in previous assignment use the same database, no need to create again
 - Use created base for data manipulation or data retrieval
2. Create a table if not exists as shown in the diagram
 - If already exists, use the same tables for writing SQL queries
 - Identify which table need to create first
 - Use appropriate datatype for the columns
 - Identify PK, UK, FK and create
 - Insert the data, same as mentioned in the below tables, because we will be writing the SQL queries on the same tables.
 - We can compare the result with below data

Sample table: salesman

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

Sample table: orders

ord_no	purch_amt	ord_date	customer_id	salesman_id
70001	150.5	2012-10-05	3005	5002
70009	270.65	2012-09-10	3001	5005
70002	65.26	2012-10-05	3002	5001
70004	110.5	2012-08-17	3009	5003
70007	948.5	2012-09-10	3005	5002
70005	2400.6	2012-07-27	3007	5001
70008	5760	2012-09-10	3002	5001
70010	1983.43	2012-10-10	3004	5006
70003	2480.4	2012-10-10	3009	5003
70012	250.45	2012-06-27	3008	5002
70011	75.29	2012-08-17	3003	5007
70013	3045.6	2012-04-25	3002	5001

Sample table: customer

customer_id	cust_name	city	grade	salesman_id
3002	Nick Rimando	New York	100	5001
3007	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	Brad Guzan	London		5005

Sample table: emp_details

EMP_IDNO	EMP_FNAME	EMP_LNAME	EMP_DEPT
127323	Michale	Robbin	57
526689	Carlos	Snares	63
843795	Enric	Dosio	57
328717	Jhon	Snares	63
444527	Joseph	Dosni	47
659831	Zanifer	Emily	47
847674	Kuleswar	Sitaraman	57
748681	Henrey	Gabriel	47
555935	Alex	Manuel	57
539569	George	Mardy	27
733843	Mario	Saule	63
631548	Alan	Snappy	27
839139	Maria	Foster	57

SQL Queries Questions

1. Write a SQL query to find the details of the customers who have a gradevalue above 100. Return customer_id, cust_name, city, grade, and salesman_id.
 - Sample Table: Customer
2. From the following table, write a SQL query to find all the customers in 'New York' city who have a grade value above 100. Return customer_id, cust_name, city, grade, and salesman_id..
 - Sample Table: Customer

3. Write a SQL query to find the customers who belong to either the city 'New York' or have a grade above 100. Return customer_id, cust_name, city, grade, and salesman_id.
 - Sample Table: Customer

Output of the Query:

customer_id	cust_name	city	grade	salesman_id
3002	Nick Rimando	New York	100	5001
3007	Brad Davis	New York	200	5001
3005	Graham Zusi	California	200	5002
3008	Julian Green	London	300	5002
3004	Fabian Johnson	Paris	300	5006
3003	Jozy Altidor	Moscow	200	5007

4. write a SQL query to find details of all order where purchase amount less than 200 or excluding combination of order date greater than or equal to '2012-02-10' and customer ID less than 3009. Return ord_no, purch_amt, ord_date, customer_id and salesman_id.
 - Sample Table: Orders

Output of the Query:

ord_no	purch_amt	ord_date	customer_id	salesman_id
70002	65.26	2012-10-05	3002	5001
70004	110.50	2012-08-17	3009	5003
70003	2480.40	2012-10-10	3009	5003
70011	75.29	2012-08-17	3003	5007
70001	150.50	2012-10-05	3005	5002

5. Write a SQL query to display order number, purchase amount, achieved, the unachieved percentage for those order which exceeds the 50% of the target value of 6000
 - Sample Table: Orders

Output of the Query:

ord_no	purch_amt	Achieved %	Unachieved %
70008	5760.00	96.0000000000000000	4.0000000000000000
70013	3045.60	50.7600000000000000	49.2400000000000000