

## CSE3104 Database Lab

Online: 01

Total Marks: 10

Create a Database named “**SampleDB**” and create the following tables. Insert at least 5 records in the tables using SQL commands which will support the following SQL queries.

### 1) SALESMAN

Table Structure:

Field	Type	Constraint
SalesmanId	Int	P.K (IS: 1001)
FirstName	Varchar(50)	Not Null
LastName	Varchar(50)	Not Null
Area	Varchar(15)	Not Null
YearOfService	Int	Not Null
Salary	Numeric(7,2)	

### 2) CUSTOMER

Table Structure:

Field	Type	Constraint
CustomerId	Int	P.K (IS: 2001)
CustomerName	Varchar(50)	Not Null
Location	Varchar(15)	Not Null
PinCode	Numeric(8)	
Class	Char(1)	Default Value ‘C’

### 3) ORDER

Table Structure:

Field	Type	Constraint
OrderId	Int	P.K (IS: 3001)
CustomerId	Int	F.K (CUSTOMER)
SalesmanId	int	F.K (SALESMAN)
OrderDate	Date	Not Null
OrderAmount	Numeric(8,2)	Minimum 10 BDT

### Solve the following queries:

1. Display all the information about each salesman with appropriate headings such as Salesman’s Full Name, City, and Salary Earned.
2. List all the salesmen that live outside the “Dhanmondi” area.
3. Display class 'A' customers with their name and location.
4. Retrieve the areas from which the salespersons belong.
5. Change the class of the customers to ‘A’ who live in “Gulshan” area.
6. List the information of all the customers who are located in “Banani”.
7. List the name of all the salesmen whose salary is greater than 20000.00 BDT.

8. Change the order amount for the order id 3004.
  9. List Salesman's Name & Area in sorted order by their salary.
  10. List order related information from the ORDER table for Customer Id 2003 (show the current orders at first).
  11. Update the SALESMAN table to provide the bonus of 1500.00 BDT whose year of service greater than 1 year.
  12. Give 5% increments to all the salesman whose year of service is greater than 2 years.
  13. List the areas from where the customers belong.
  14. Give 4.5% discount to all the orders greater than 10000.00 BDT.
  15. Delete the order related information of the orders less than 50.00 BDT.
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