

## SQL Queries

a) Create a table "**Vendor**" with the following fields

<b>VendorID</b>	Int, Not null, Primary key.	
AccountNumber	varchar(15)	
CompanyName	varchar(50) Not null	
Location	varchar(50) Not null	(City)
CreditRating	tinyint Not null	1 = Superior 2 = Excellent 3 = Above average 4 = Average 5 = Below average
ActiveFlag	bit	0 = Vendor is no longer used. 1 = Vendor is actively used.
PurchasingWebServiceURL	varchar(255)	

b) Create a table "**ProductInventory**" with the following fields

<b>ProductInventoryID</b>	Int, Not null, Primary key.	
ProductID	varchar(15)	
ProductName	varchar(50) Not null	
Location	varchar(50) Not null	(city)
Quantity	int	
UnitPrice	Decimal(9,2)	

c) Create a table "**Sales**" with the following fields

<b>SalesID</b>	Int, Not null, Primary key.	
ProductID	int	
VendorID	int	
SalesDate	DateTime	
Quatity	int	

d) Insert appropriate data to each of the table(Min 10 records)

e) Write queries for the following

- Select all vendor details .
- Select all Products from Inventory sold on 1-Sep-2011 by vendor 'National Sales Corp'
- To get the count of products sold by vendor 'International Merchandise' in the month of Aug 2011.
- Select all vendor who have sold for more than the average sales quatity
- Insert ProductName, CompanyName, SalesDate into another table
- Find average UnitPrice for products manufactured in 'Mysore'(Location)
- Find the maximum and minimum products manufactured in 'Mysore'(Location)
- Alter Table to add column Shipped (bit)to **Sales** table

- i. Update **Sales** table to set Shipped to true if sales date is lesser than today.
  - j. Delete records from **Vendor** where Vendor is no longer used.
  - k. Alter Table to drop column PurchasingWebServiceURL from **Vendors** table
  - l. Alter table to change Location from varchar(50) to varchar(255)
  - m. Select all products whose vendor location is same as product manufacture location
- f) Write Stored procedures for the following
- a) Select all ProductName, CompanyName, SalesDate and order by SalesDate to display more recent sales on top.
  - b) Insert data to **Sales** table. SP should except params @vendorid, @productid, @quantity, @saledate
  - c) Update data in **ProductInventory**. SP should except params @ ProductInventoryID, @productid , @Quantity, @UnitPrice
  - d) To update the CreditRating of the **Vendor** who has max sales record for the month of Aug 2011. Use If else state to update record as follow
    - 1 if sales Quatity is greater than 10000
    - 2 if sales Quatity is greater than 5000
    - 3 if sales Quatity is greater than 1000
    - 4 if sales Quatity is greater than 500
    - 5 if sales Quatity is less than 500