SQL WORKSHEET – 3

1. CREATE TABLE Customers (
   CustomerNumber int,
   CustomerName varchar(50),
   ContactLastName varchar(50),
   ConatactFirstName varchar(50),
   Phone varchar(50),
   AddressLine1 varchar(50),
   AddressLine2 varchar(50),
   City varchar(50),
   State varchar(50),
   PostalCode int,
   Country varchar(50),
   SalesRepEmployeeNumber varchar(50),
   CreditLimit bigint

2. CREATE TABLE Orders (
   OrderNumber int,
   OrderDate datetime,
   RequiredDate datetime,
   ShippedDate datetime,
   Status varchar(50),
   Comments varchar(50),
   CustomerNumber varchar(10)

3. Select * from Orders

4. Select Comments from Orders

5. SELECT cast(orderDate as date), COUNT(orderNumber)
   from Orders
   group by cast(orderDate as date)

6. select employeNumber, lastName, firstName from employees

7. select o.OrderNumber, c.CustomerName
   from Orders o (nolock)
   inner join Customers c (nolock)
   on c.CustomerNumber=o.CustomerNumber

8. select (e.FirstName + ' ' + e.LastName) as SalesRepName, c.CustomerName
   from Employees e (nolock)
   inner join Customers c (nolock)
   on c.SalesRepEmployeeNumber=e.EmployeeNumber

9. SELECT cast(paymentDate as date), sum(amount)
   from Payments
   group by cast(paymentDate as date)

10. select productName, MSRP, productDescription from products

11. select top 1 op.productName, op.productDescription from
    select p.productName,p.productDescription,count(p.productName) as MaxOrders
    from Products p (nolock)
    inner join OrderDetails o (nolock)
    on o.ProductCode=p.ProductCode
    group by p.productName,p.productDescription
    op
    order by op.MaxOrders- desc

12. select top 1 tt.City from
    select c.City,count(*) as cityCount
    from Orders o (nolock)
    inner join Customers c (nolock)
    on c.CustomerNumber=o.CustomerNumber
    group by c.City
) tt
    order by tt.cityCount desc

13. elect top 1 l.state from

   select state,Count(state) as StateCount

   from Customers

   group by state

  order by l.StateCount desc

14. select EmployeNumber, (firstName + ' ' + lastName) as EmployeeName from

   Employees

15. select o.OrderNumber,c.Cutomername,(od.QuantityOrdered * p.BuyPrice) as

   TotalAmountPaid from

   OrderDetails od (nolock)

   inner join Orders o (nolock)

   on o.OrderNumber=od.OrderNumber

    inner join Customers c (nolock)

    on c.CustomerNumber=o.CustomerNumber

    Inner join Products p (nolock)

   on od.ProductCode=p.ProductCode